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1/48



1 2 3a 3b 4 5

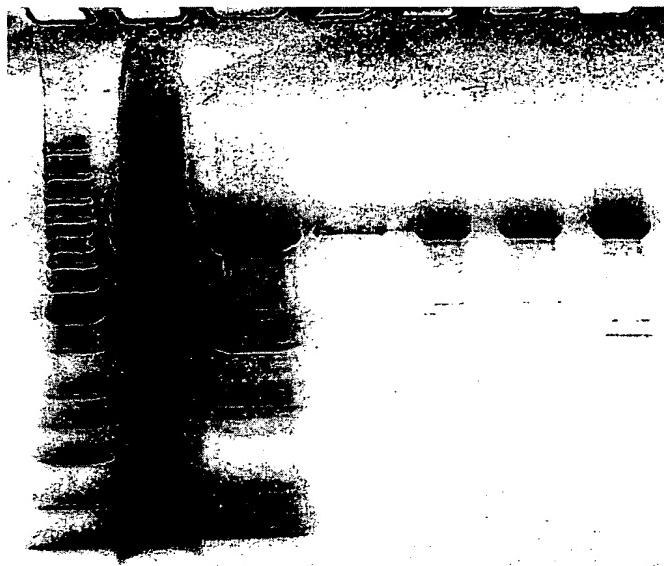


FIG. 1

2/48

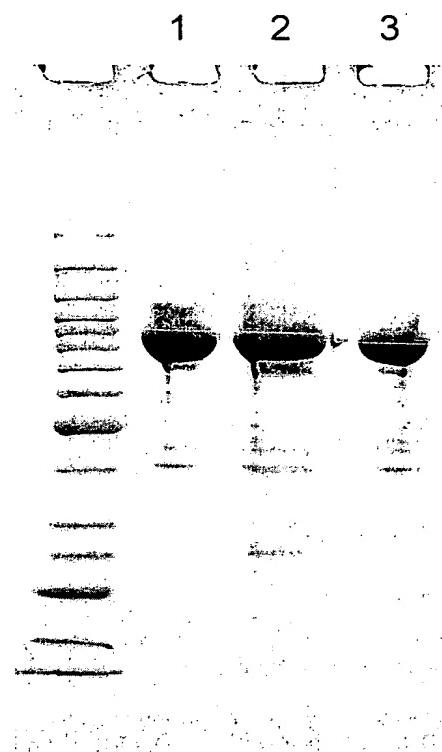


FIG.2

3/48

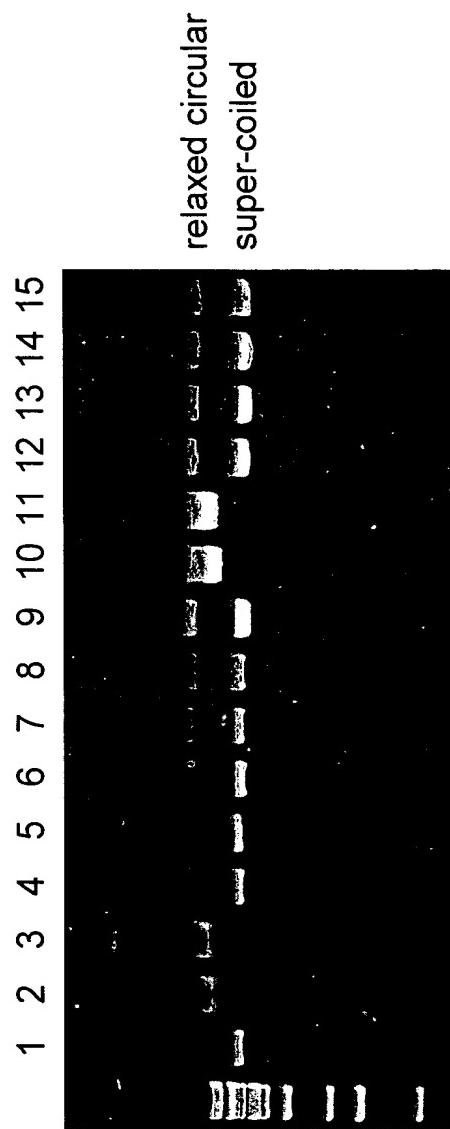


FIG.3

4/48

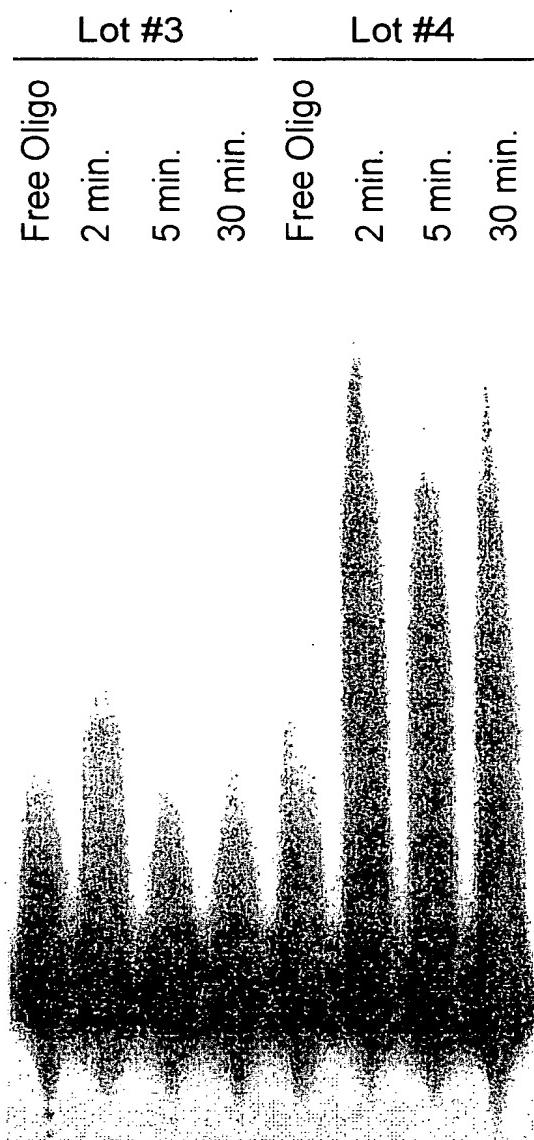


FIG.4

5/48

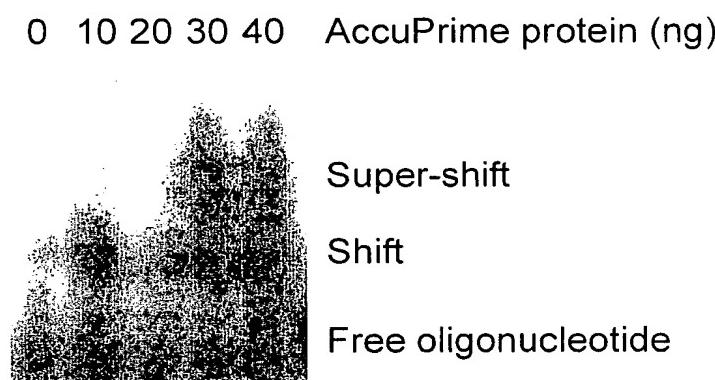


FIG.5

6/48

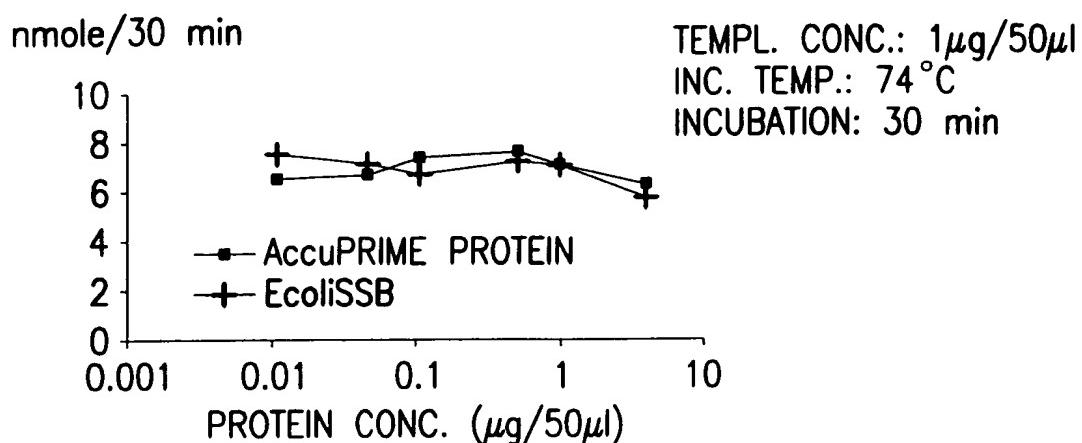


FIG. 6A

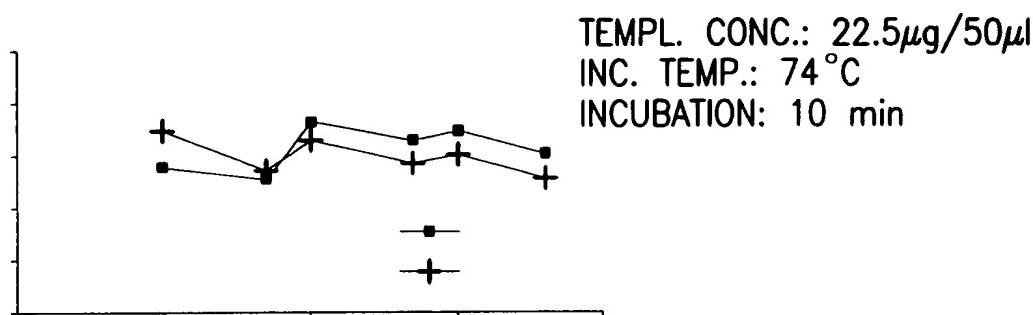


FIG. 6B

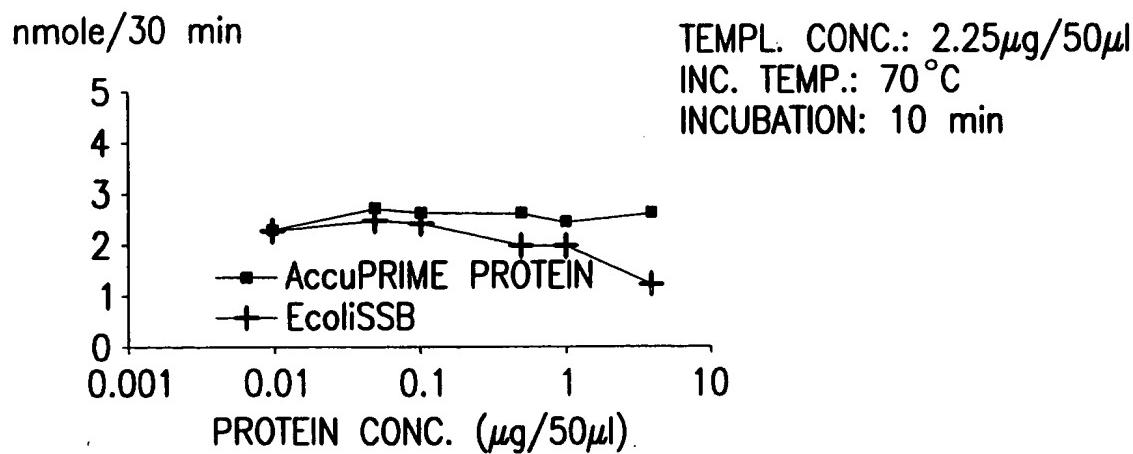


FIG. 6C

7/48

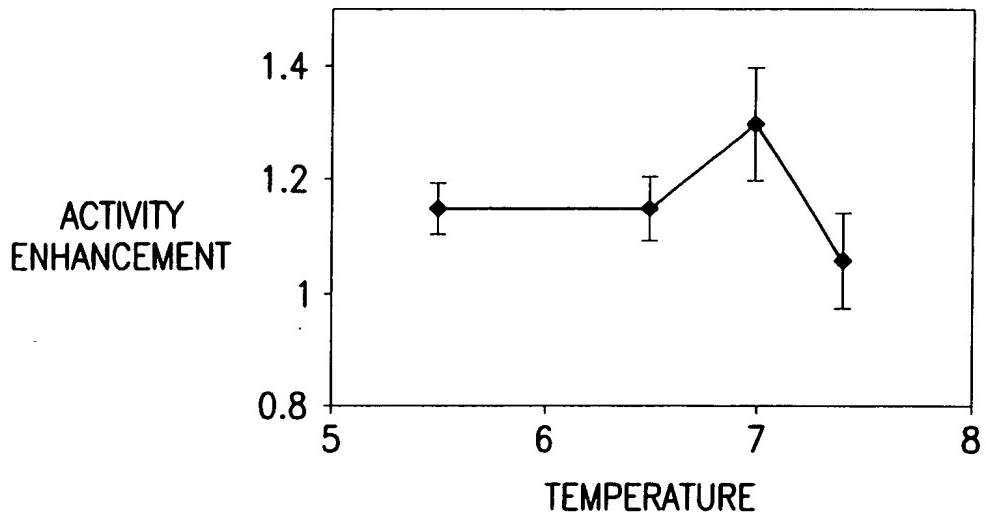


FIG. 7

8/48

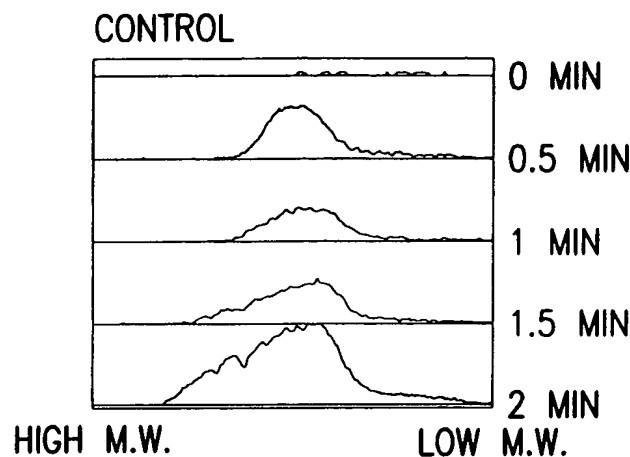


FIG.8A

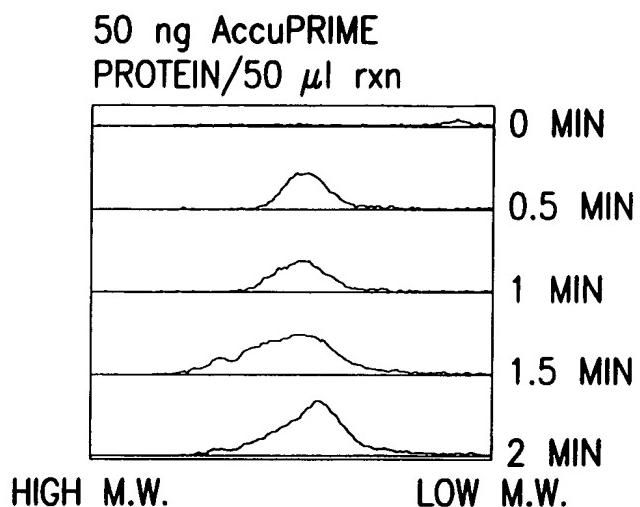


FIG.8B

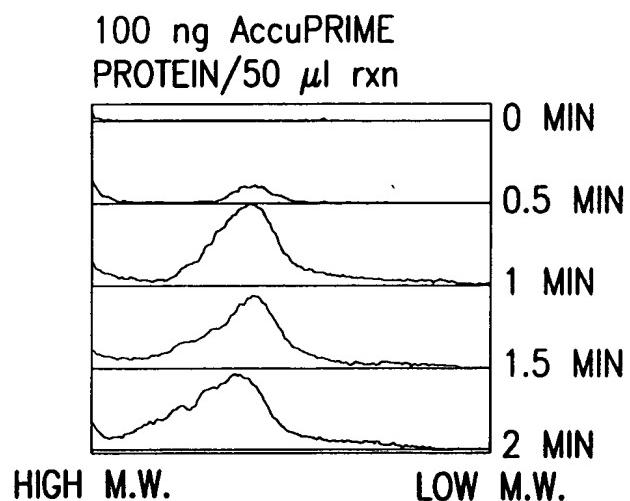


FIG.8C

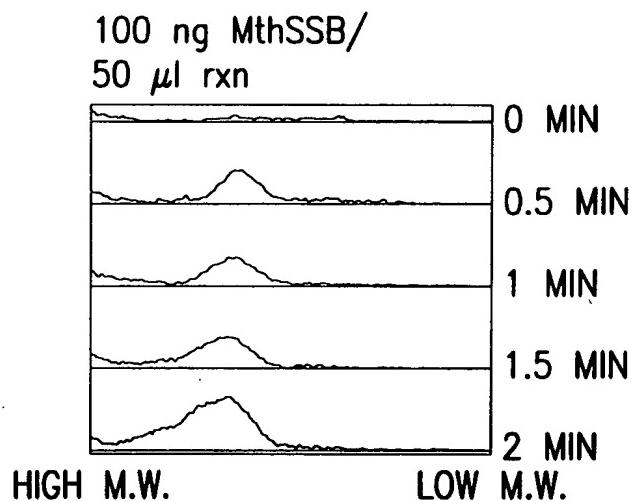


FIG.8D

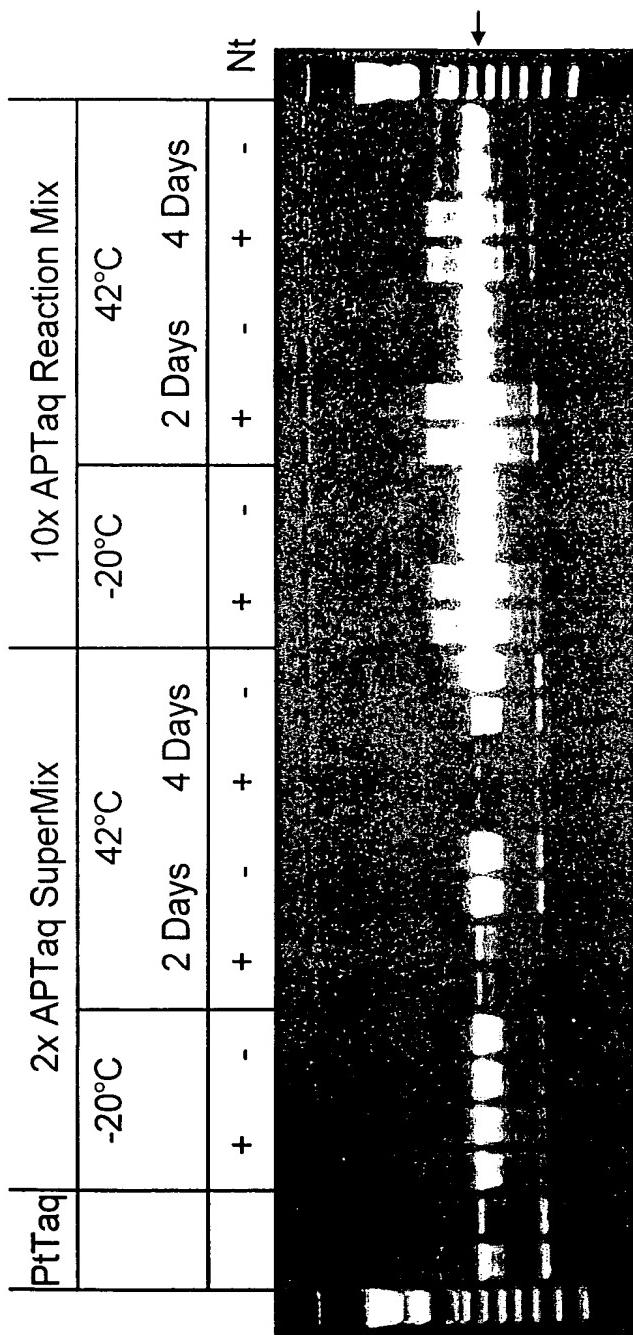


FIG. 9

10/48

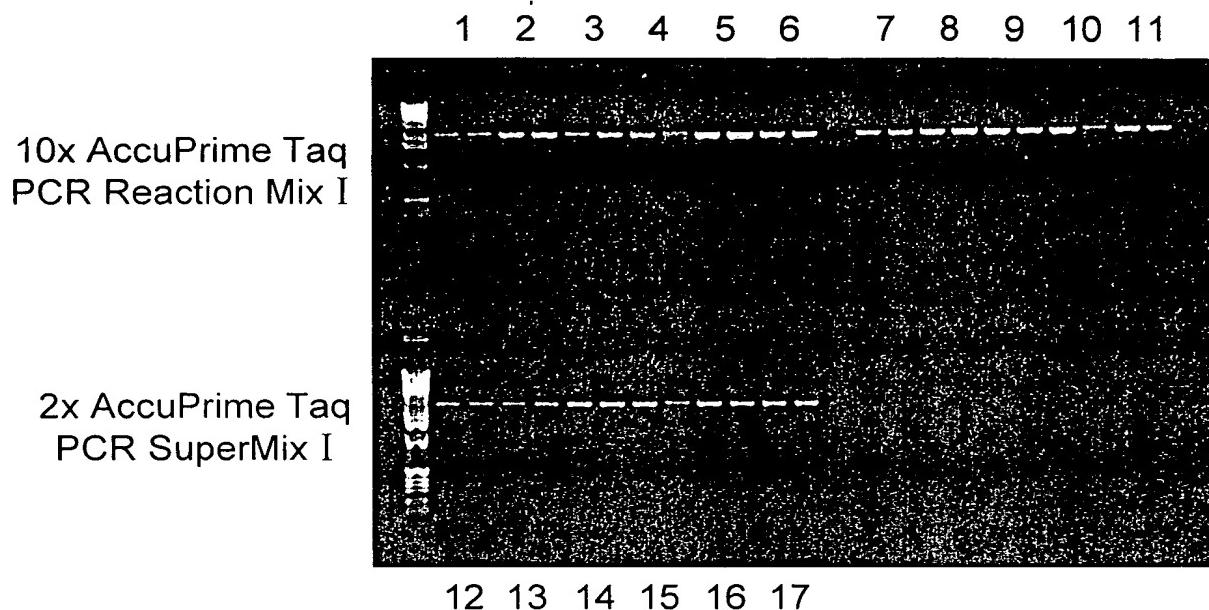


FIG.10A

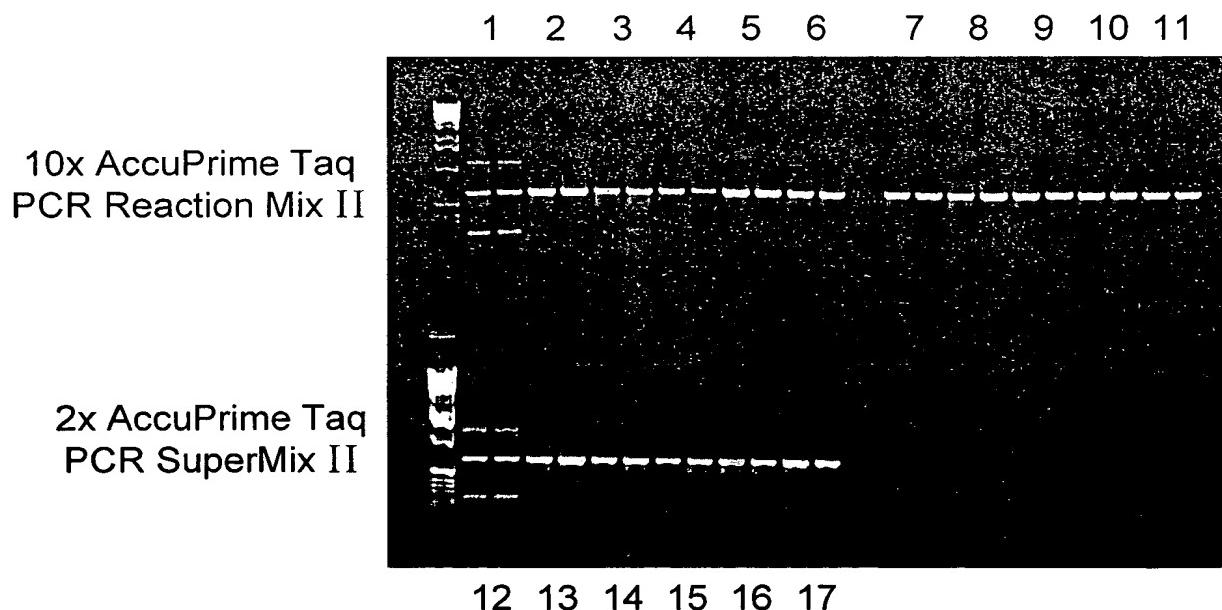


FIG.10B

11/48

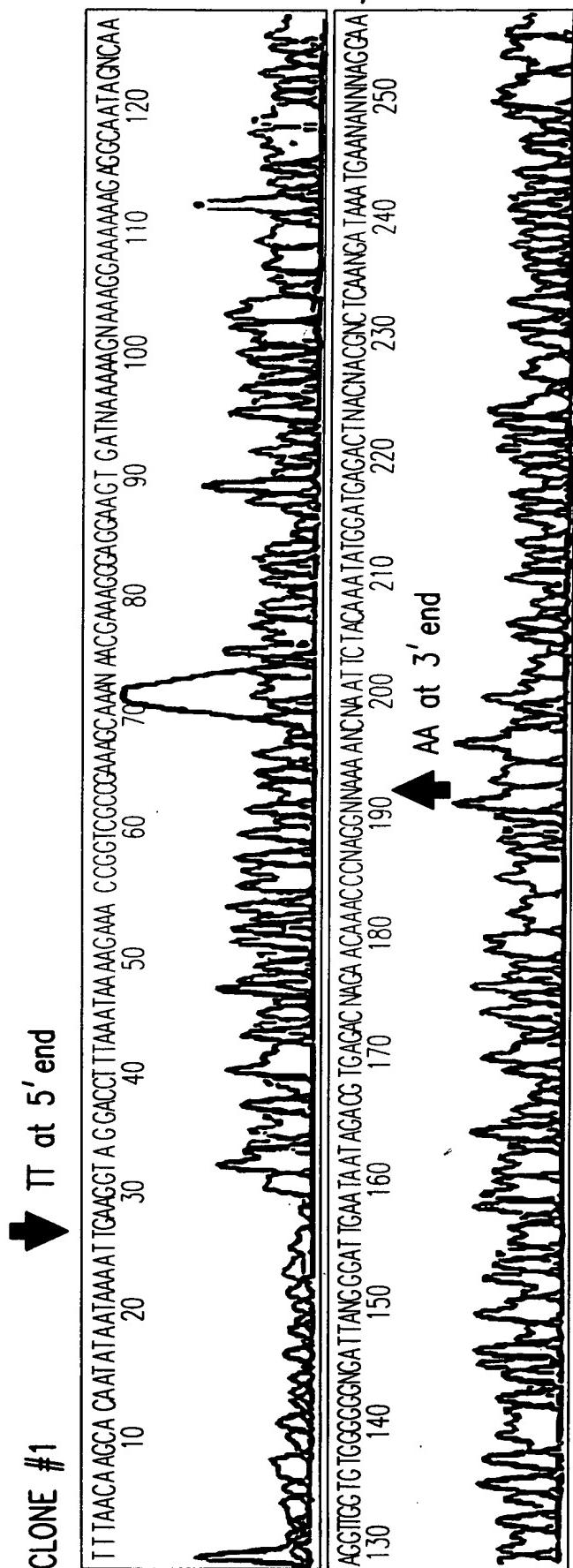


FIG. 11 A

12/48

CLONE #2 → TT at 5' end

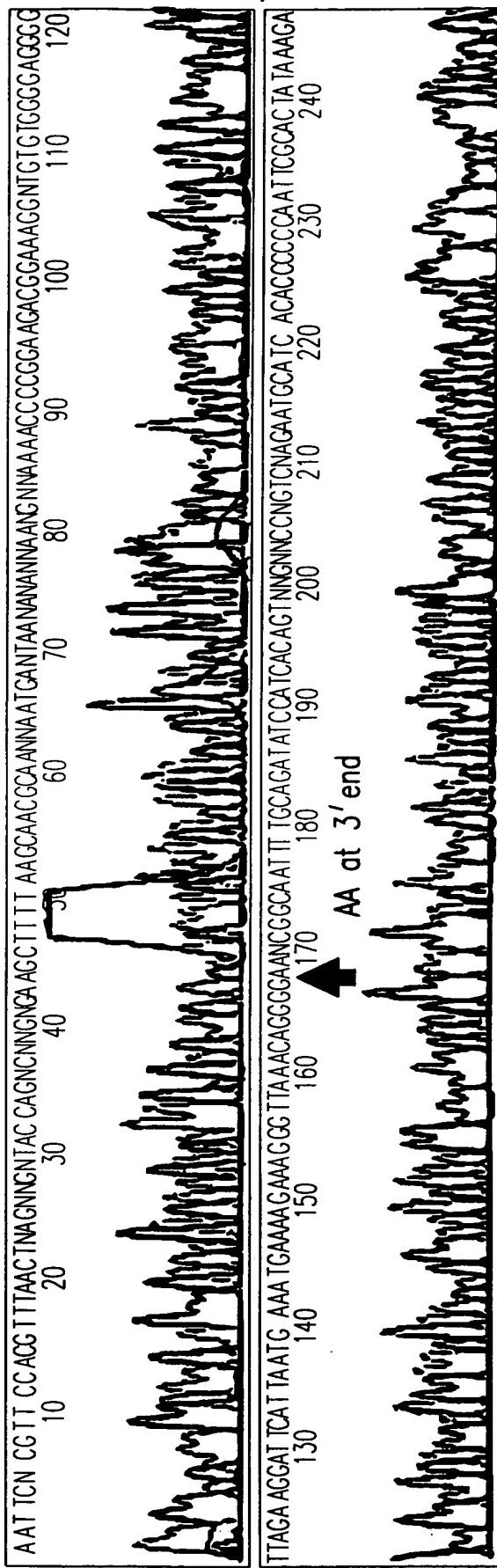


FIG. 11B

13/48

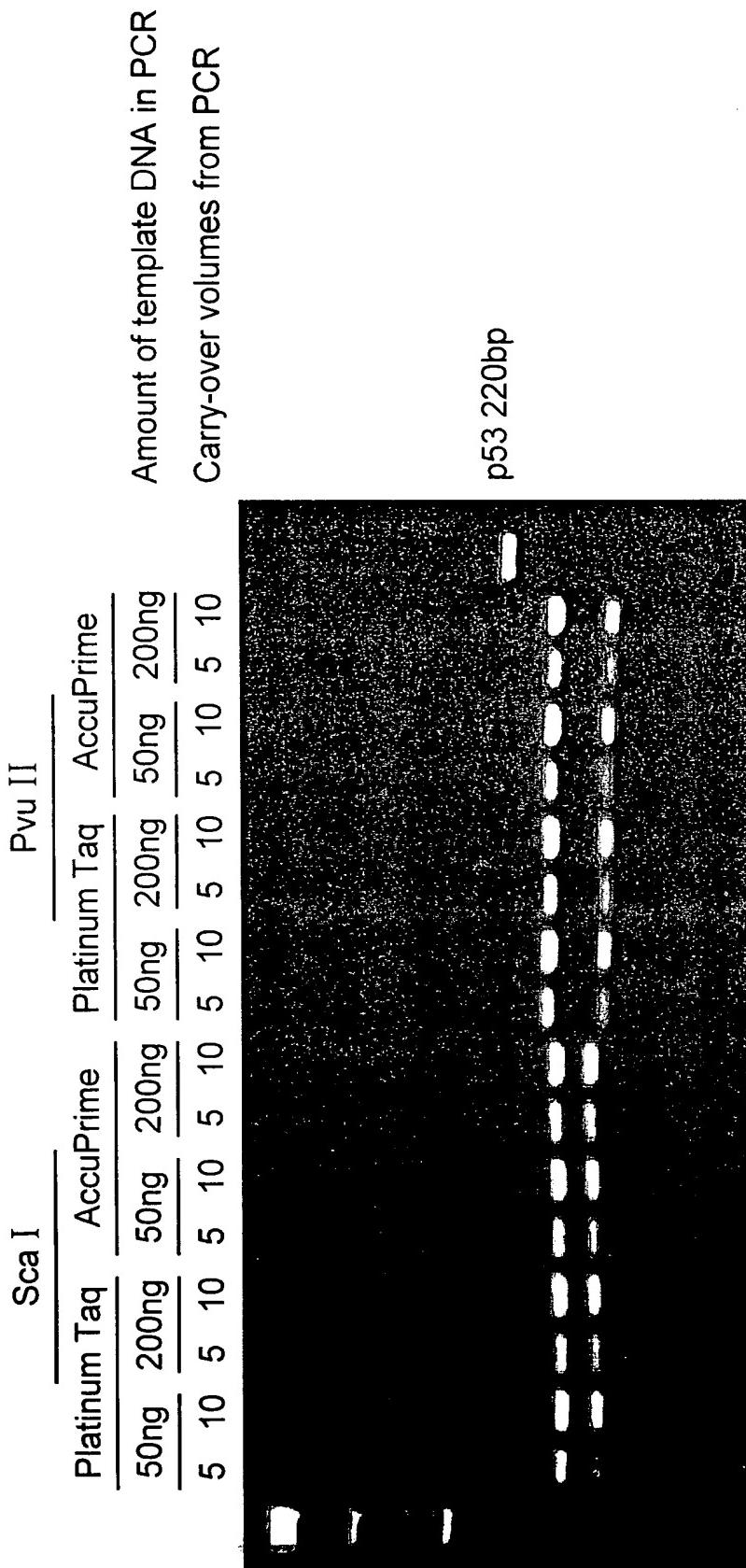


FIG. 12

14/48

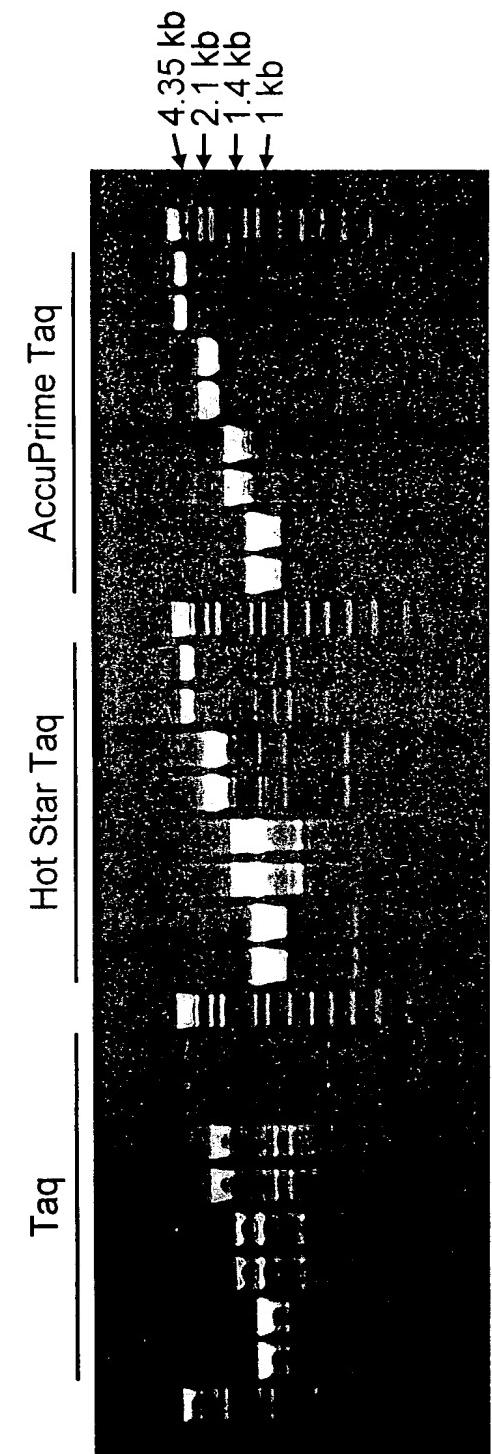


FIG. 13

15/48

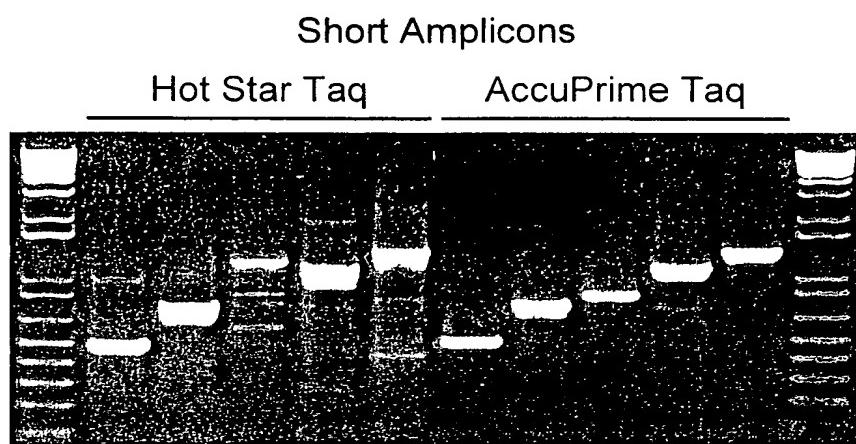


FIG. 14A

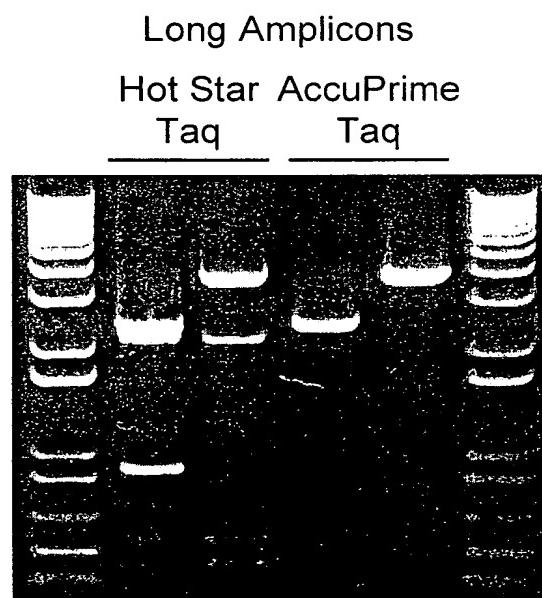


FIG. 14B

16/48

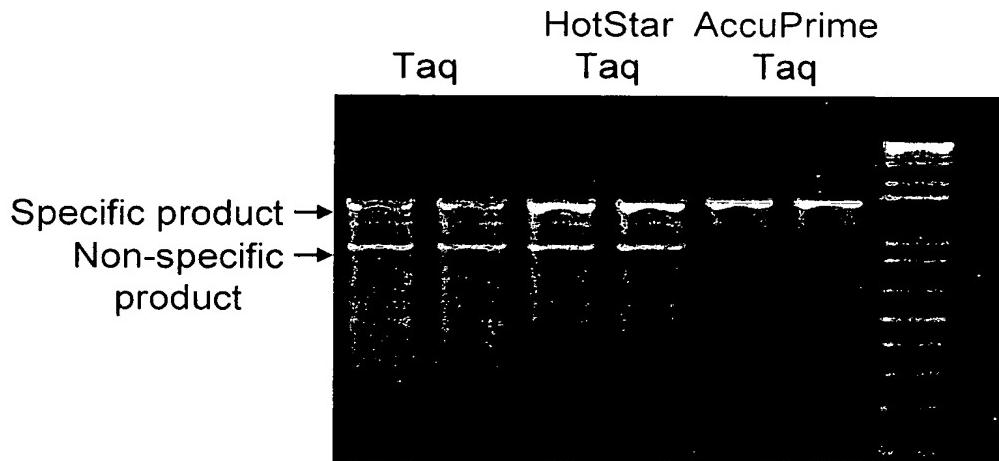


FIG. 15A

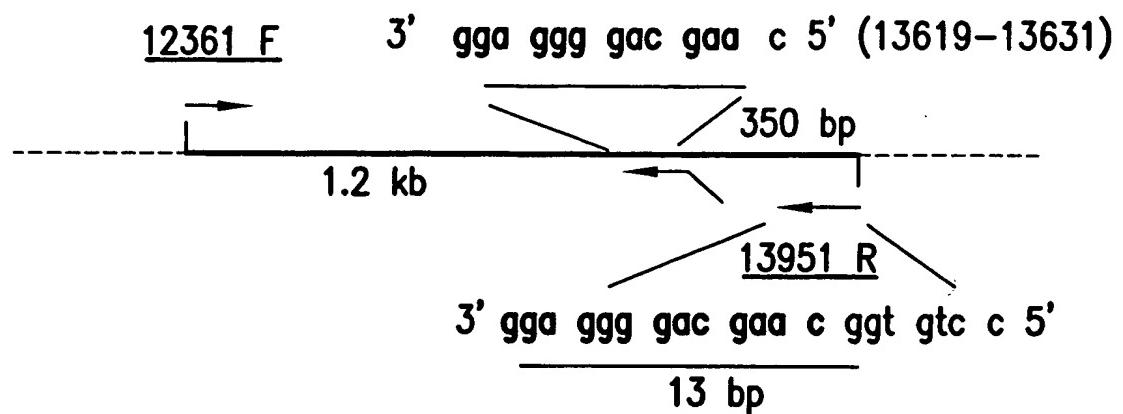


FIG. 15B

17/48

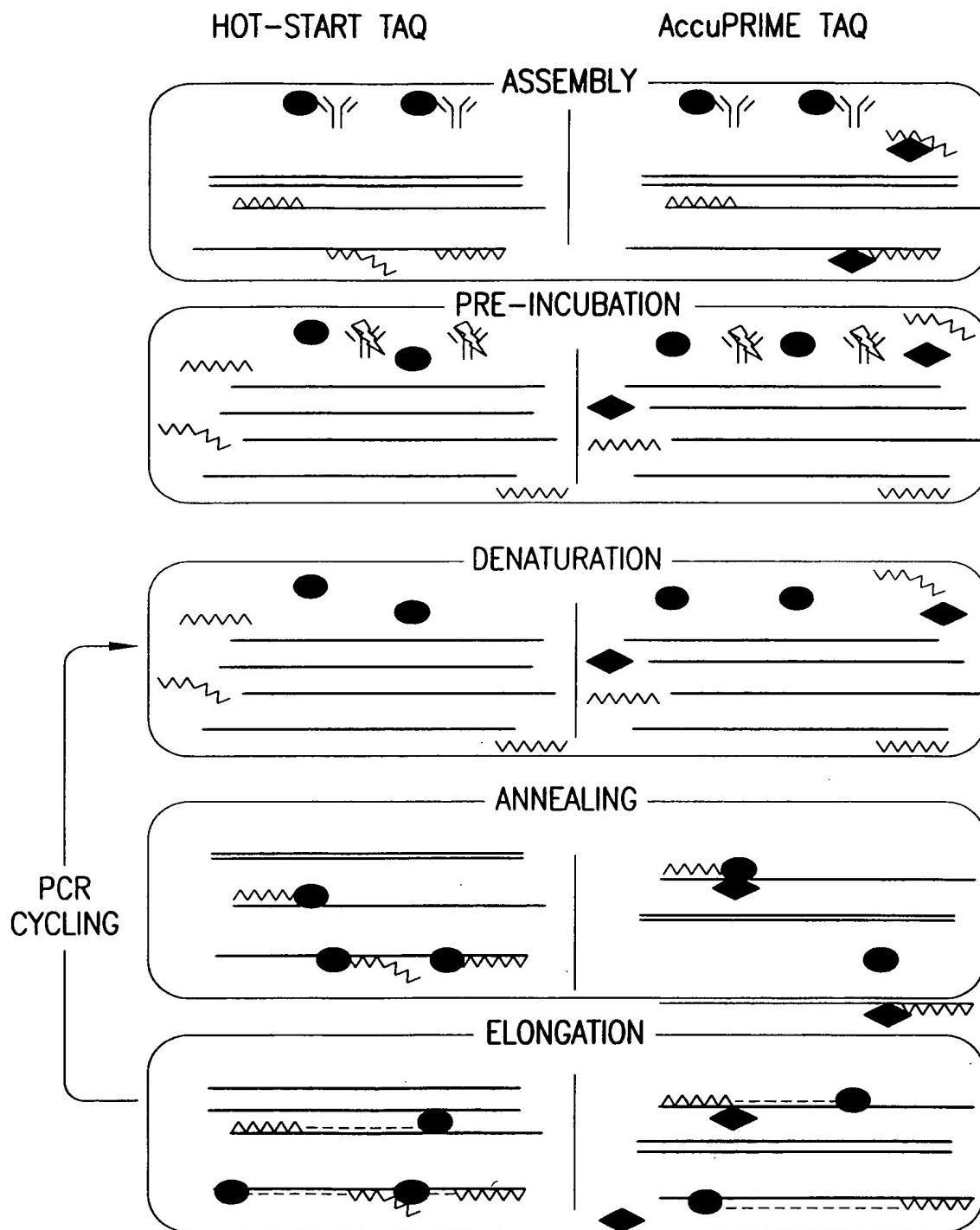


FIG. 16

18/48

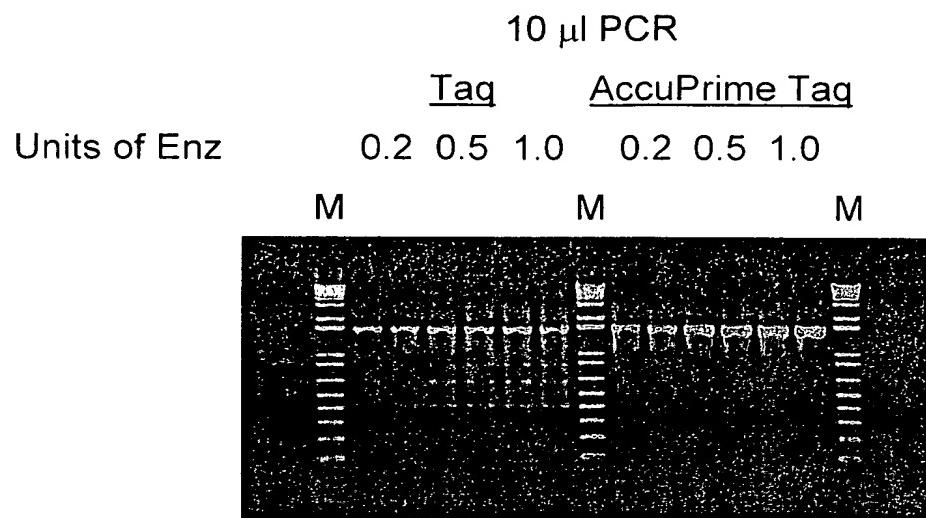


FIG. 17A

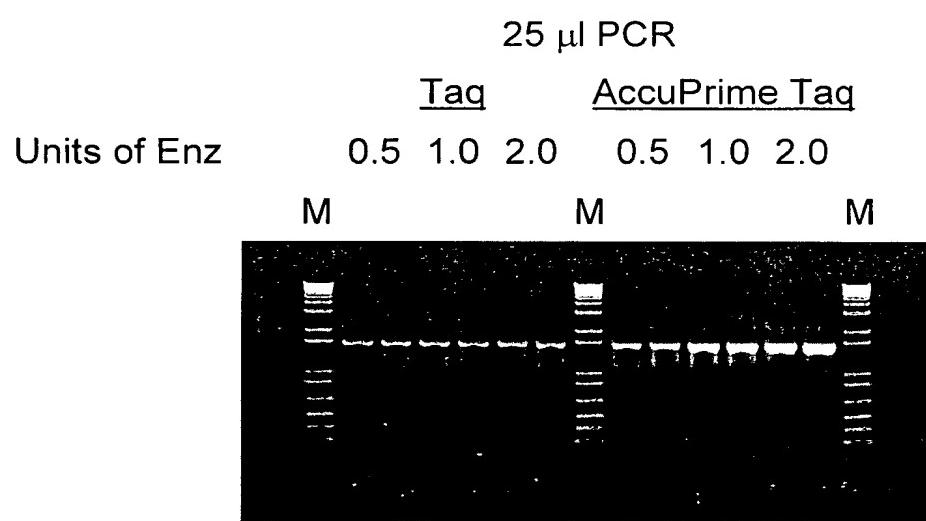


FIG. 17B

19/48

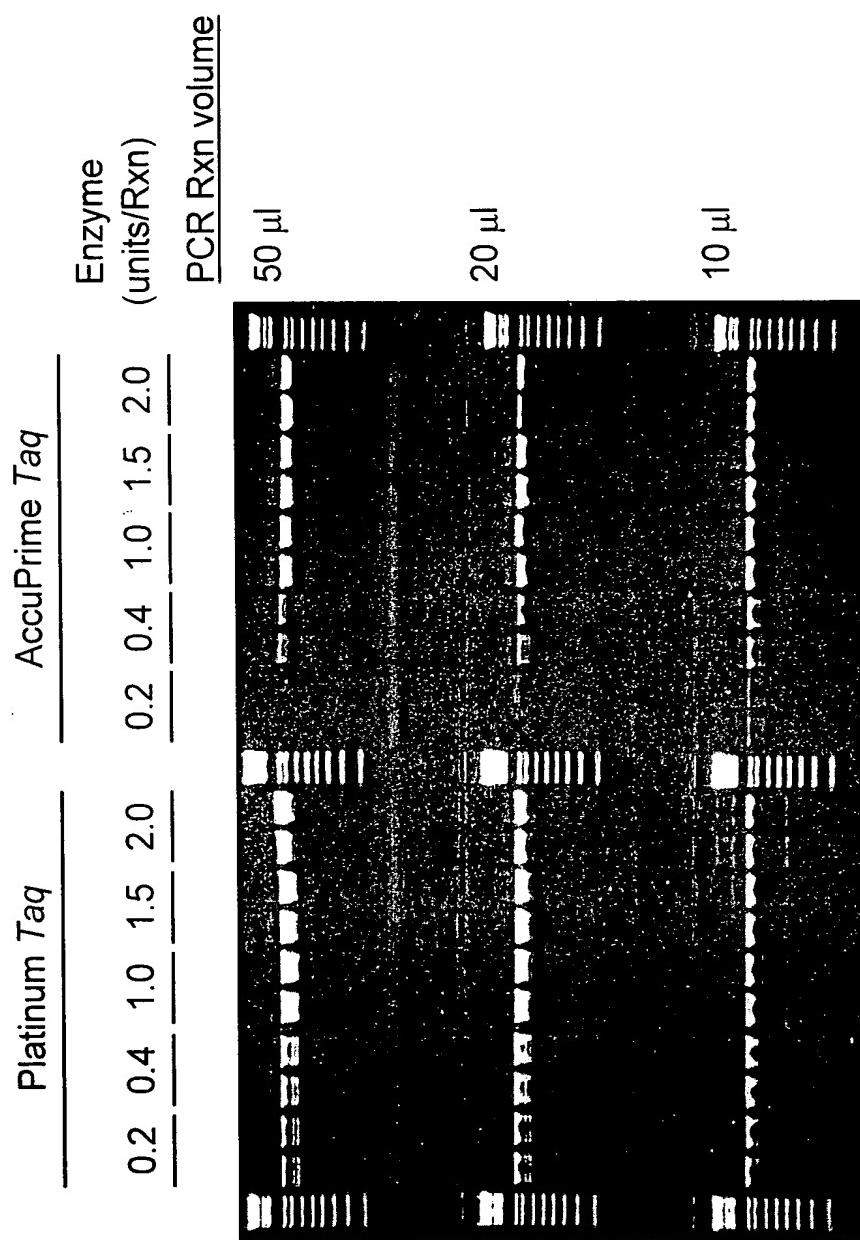


FIG. 18

20/48

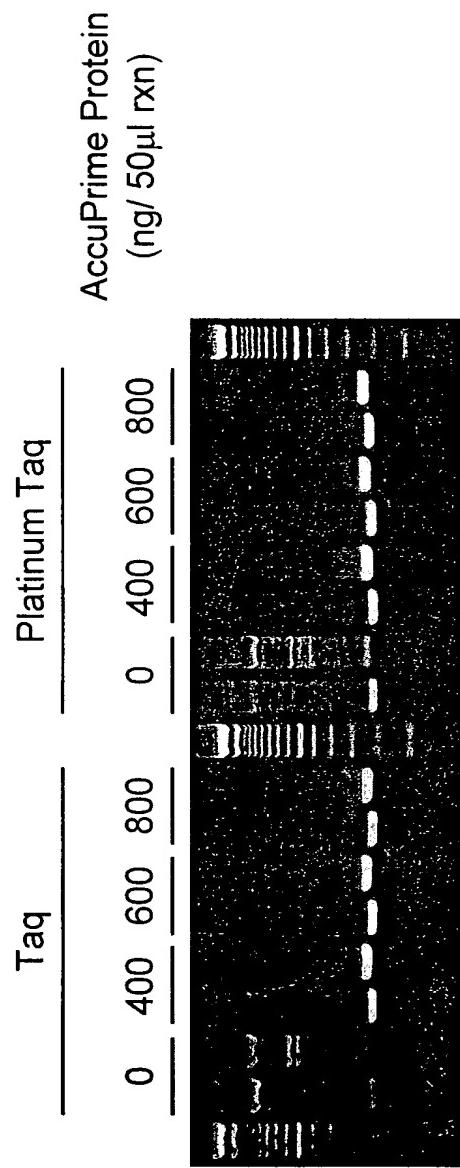


FIG. 19

21/48

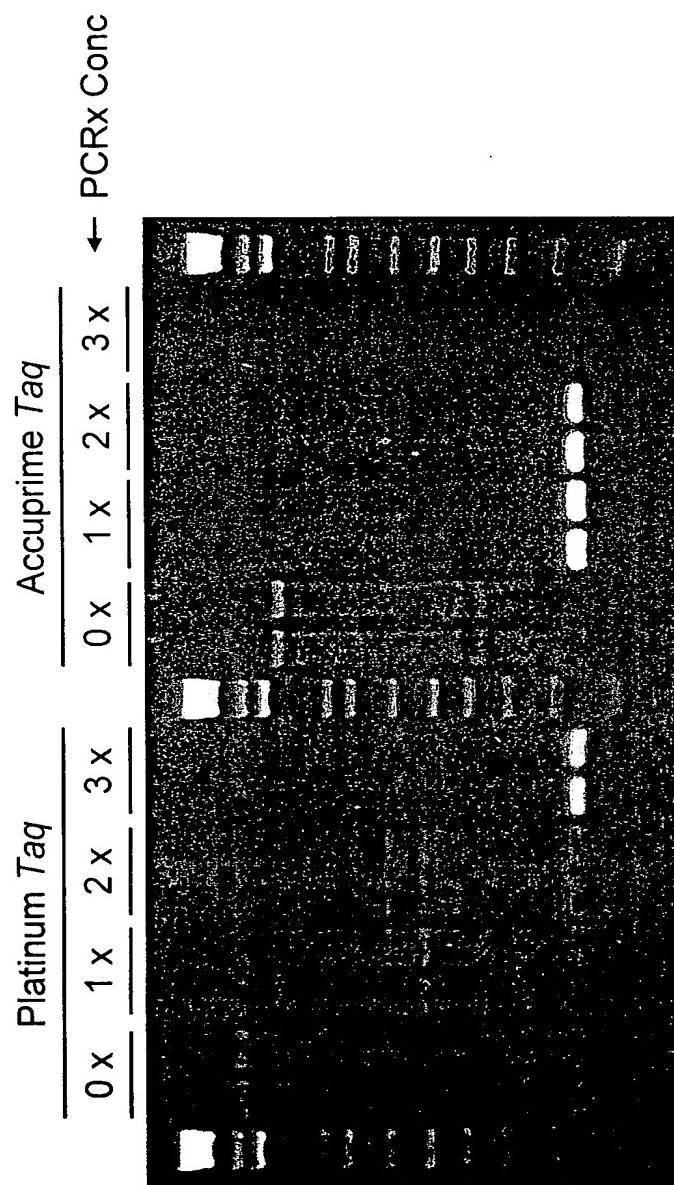


FIG. 20

22/48

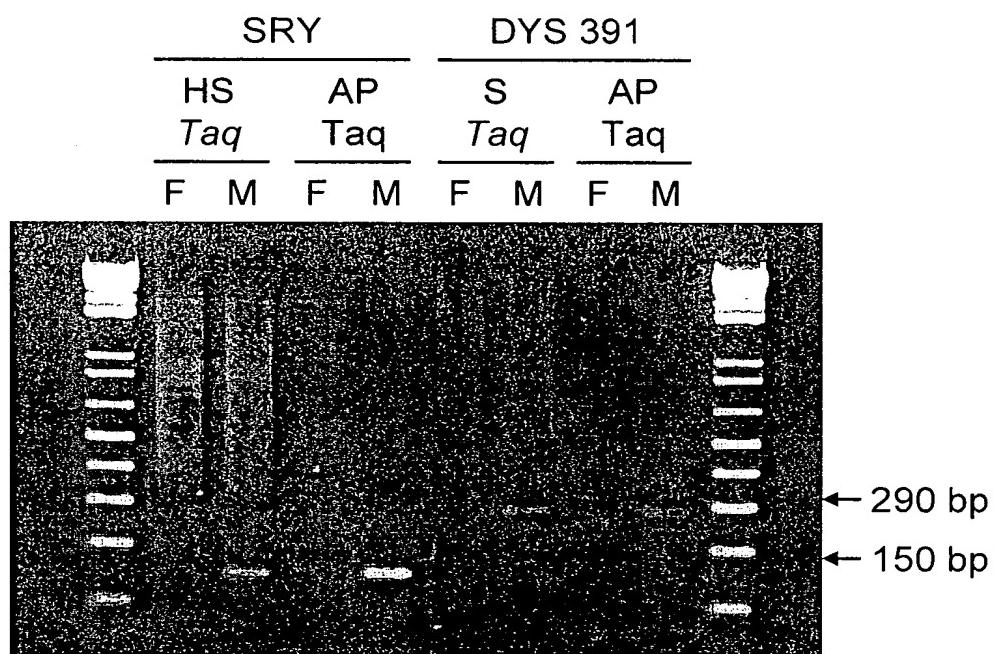


FIG.21

23/48

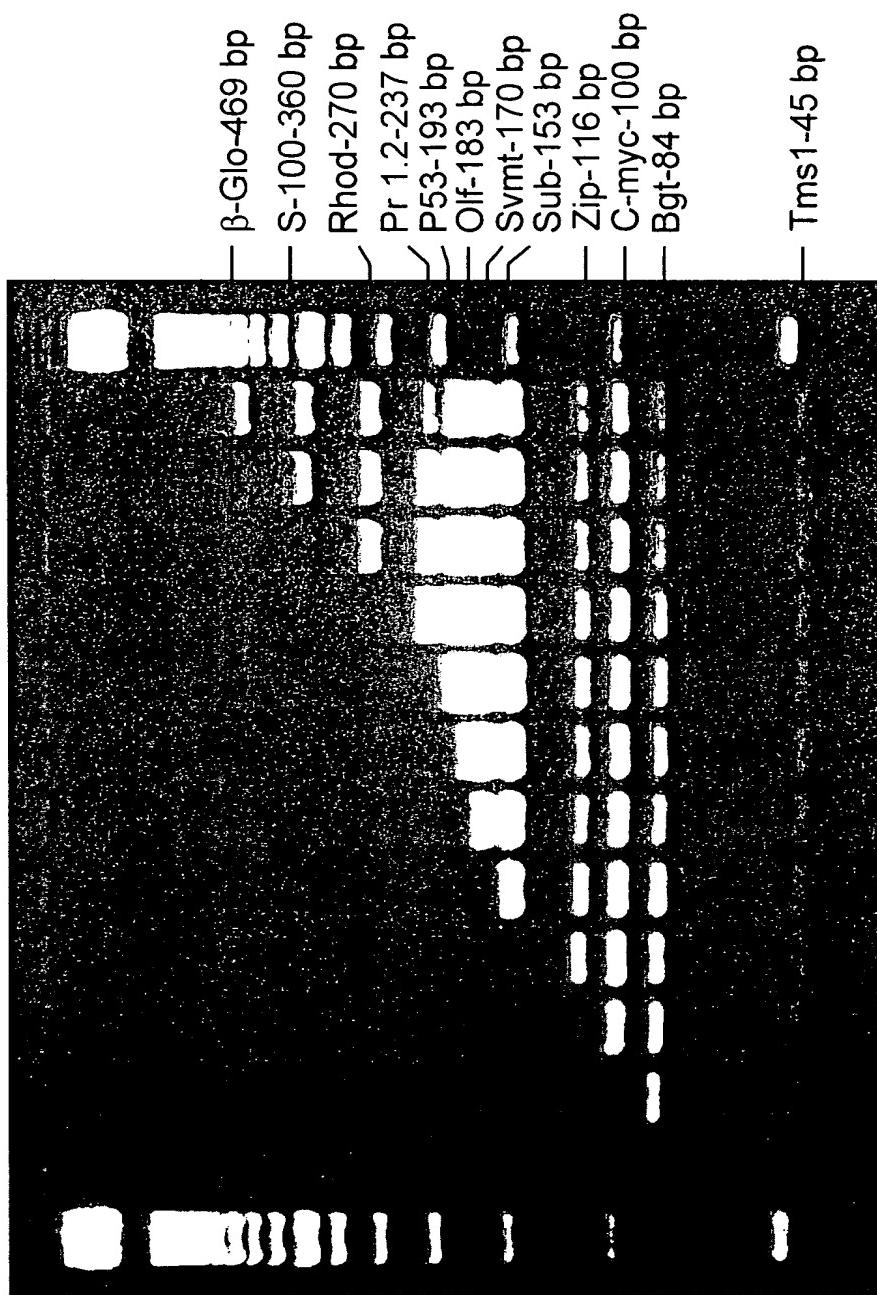


FIG. 22

24/48

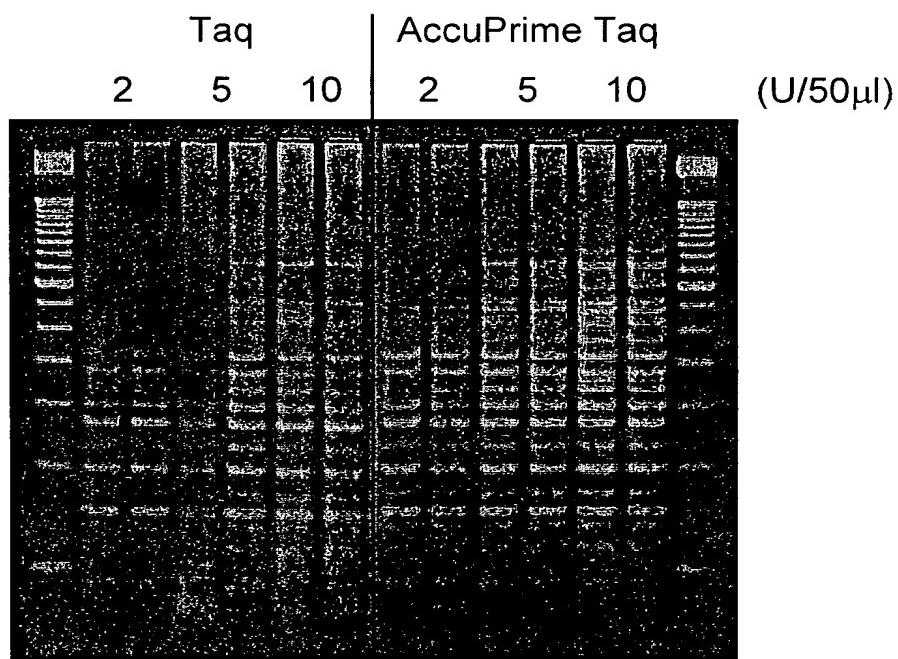


FIG.23

25/48

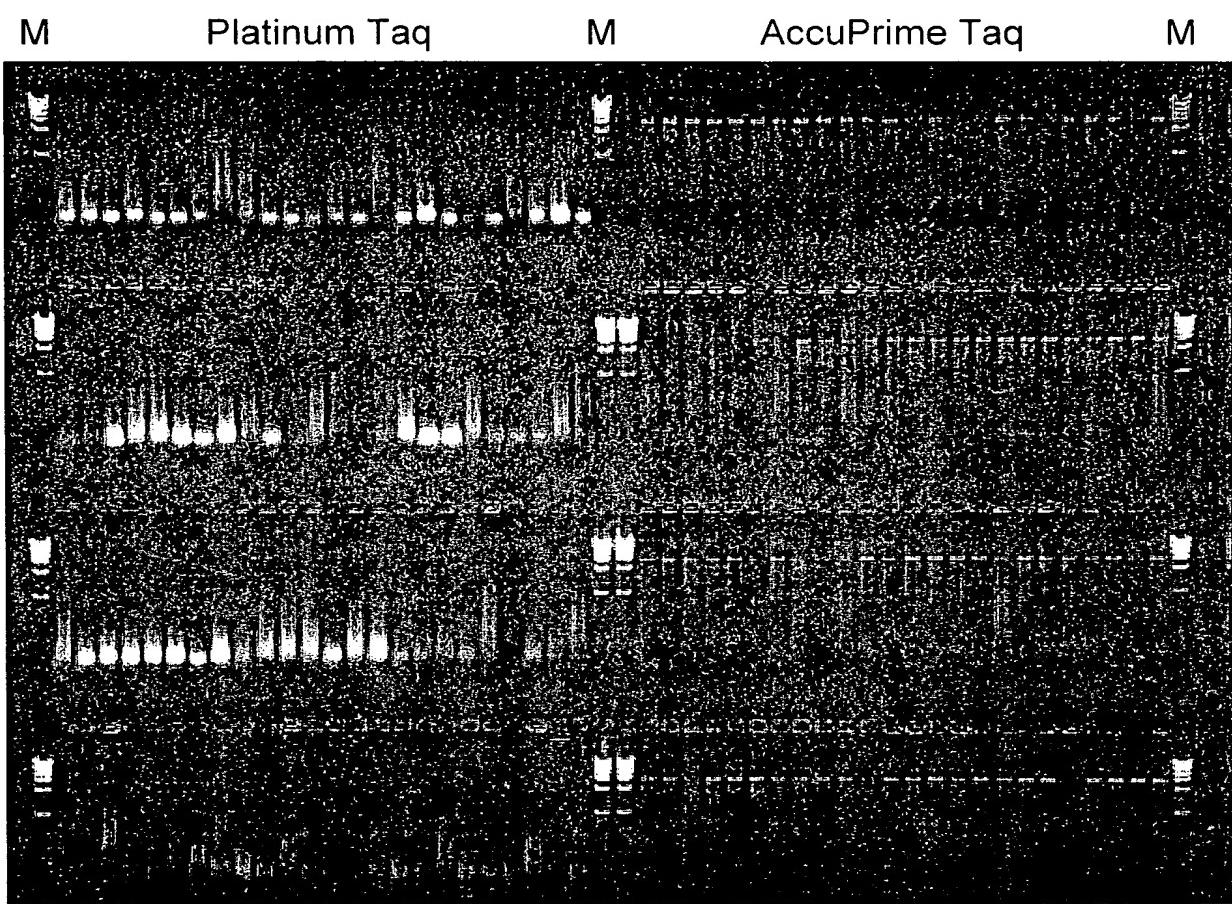


FIG.24

26/48

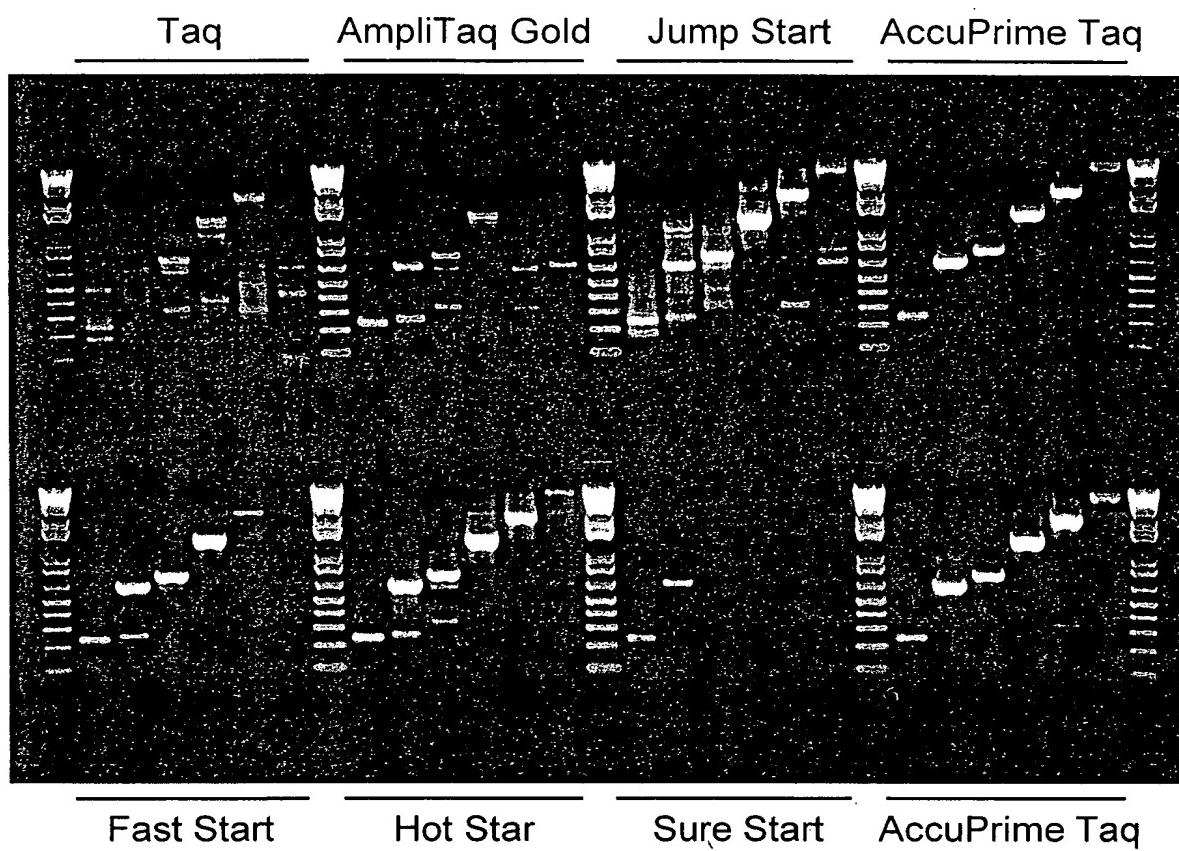


FIG. 25

27/48

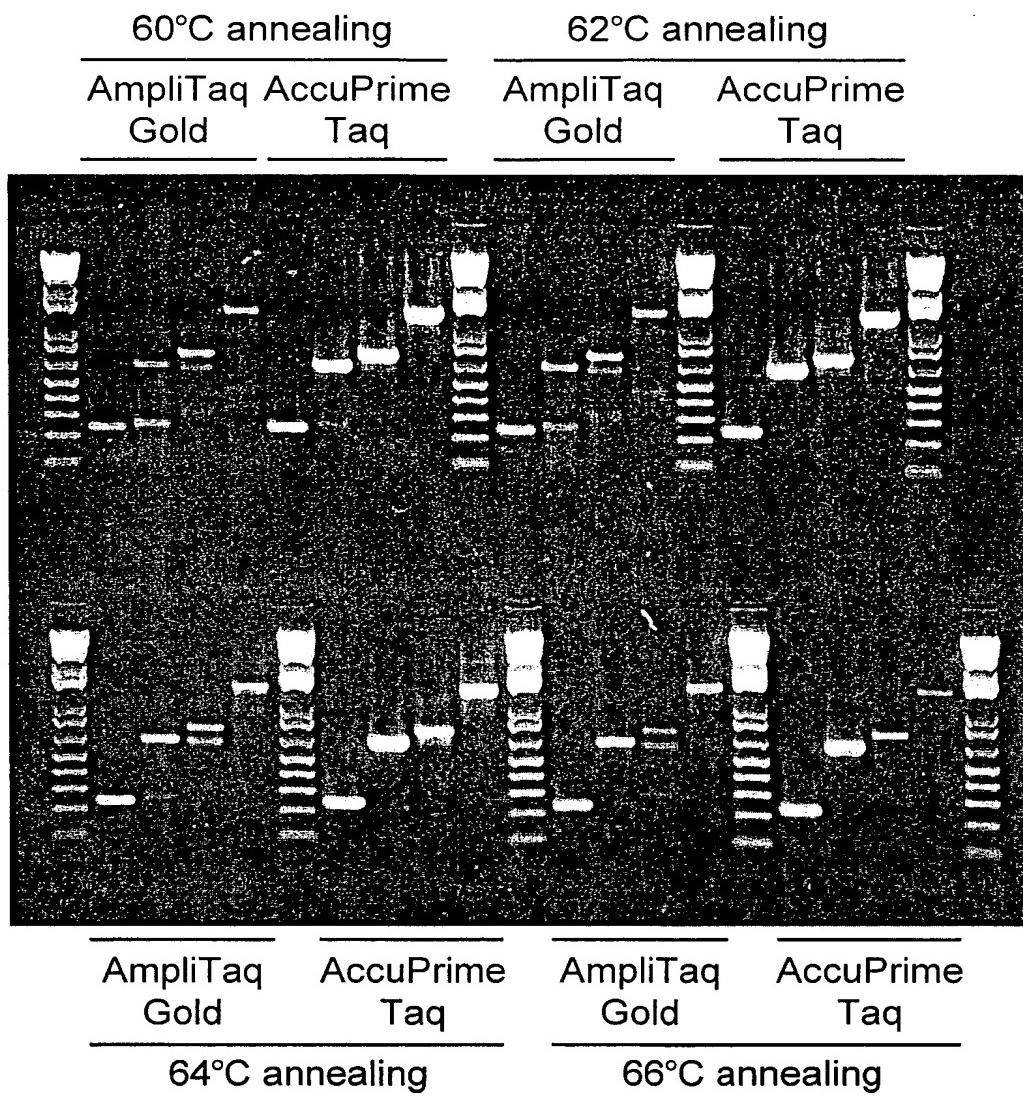


FIG.26

28/48

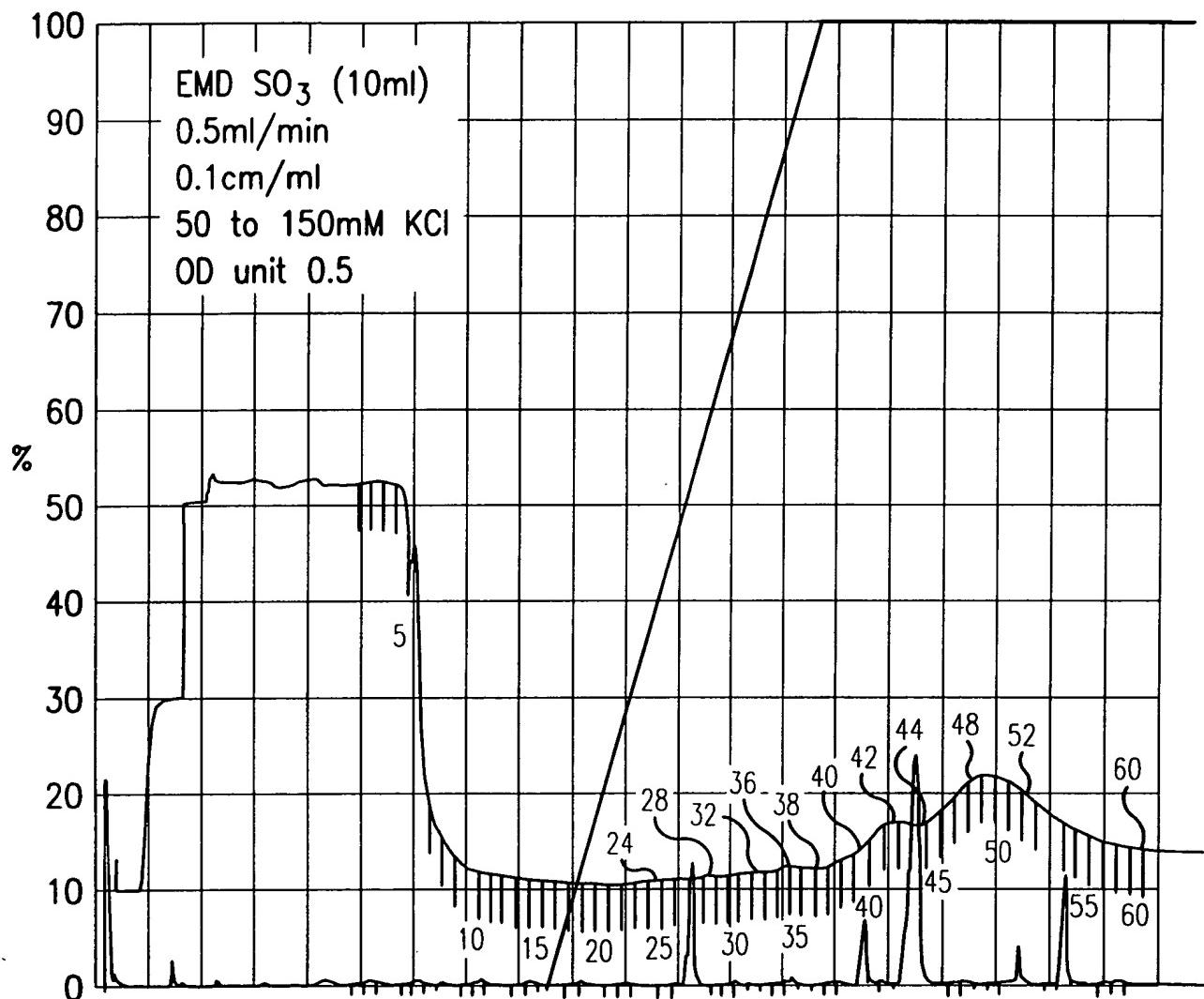


FIG. 27

29/48

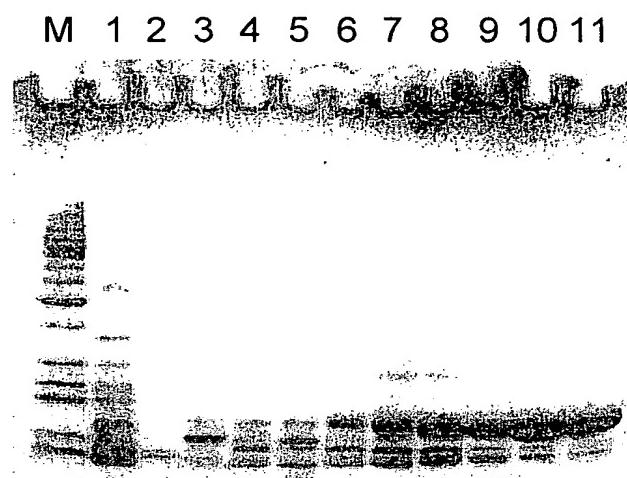


FIG.28

30/48

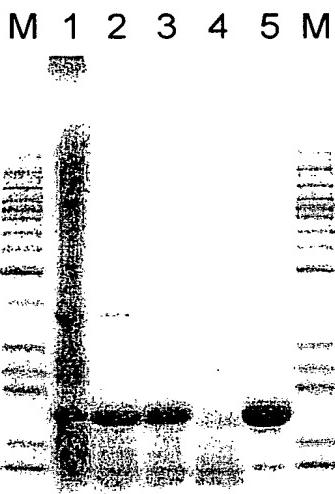


FIG.29

31/48

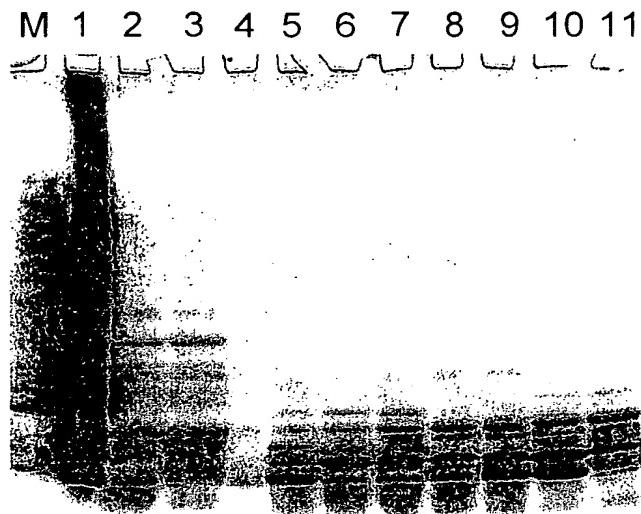


FIG. 30A

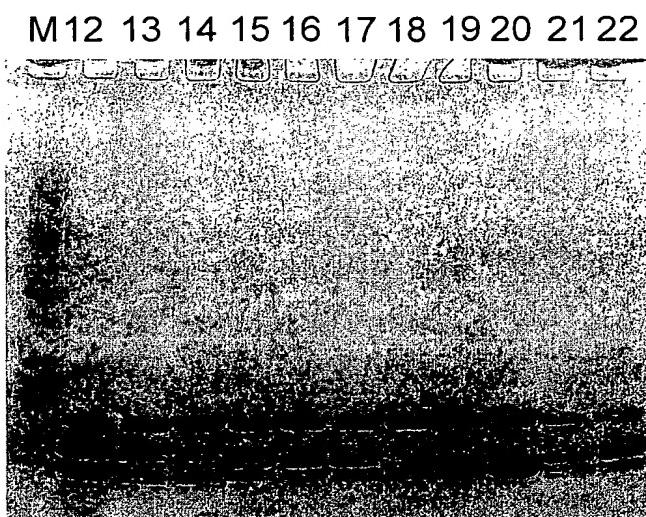


FIG. 30B

32/48



FIG.31

APP II

APP I

33/48

1 2 3 4 5 6 7 8 9 10 11 12

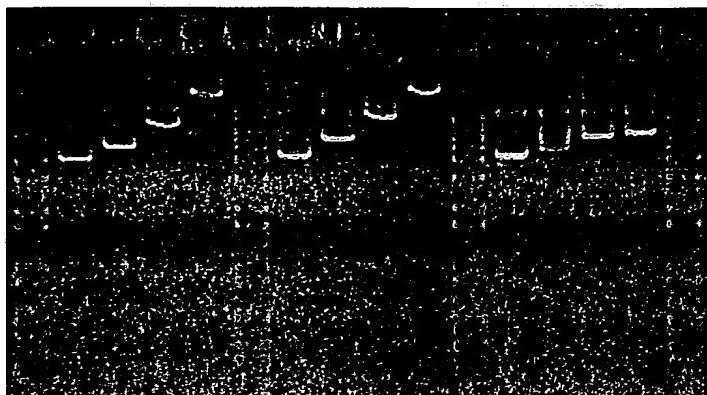


FIG.32A

APP II

APP I

1 2 3 4 5 6 7 8 9 10 11 12

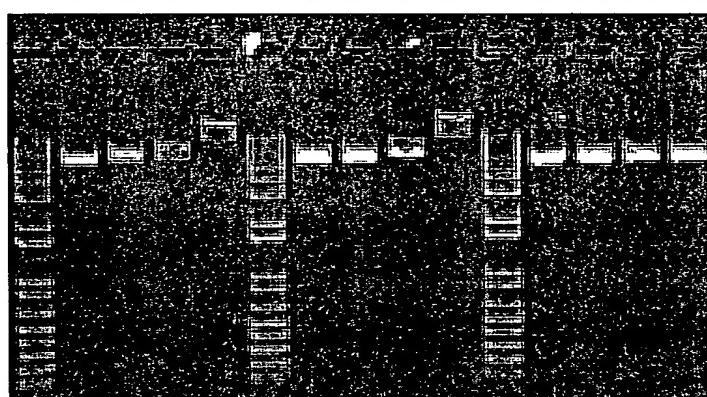


FIG.32B

APP II

APP I

1 2 3 4 5 6 7 8 9 10 11 12



FIG.32C

34/48

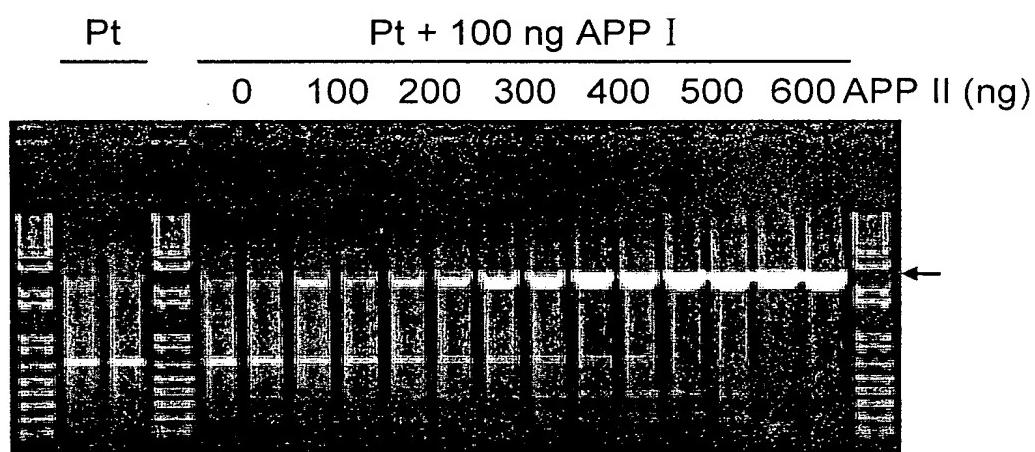


FIG.33

35/48

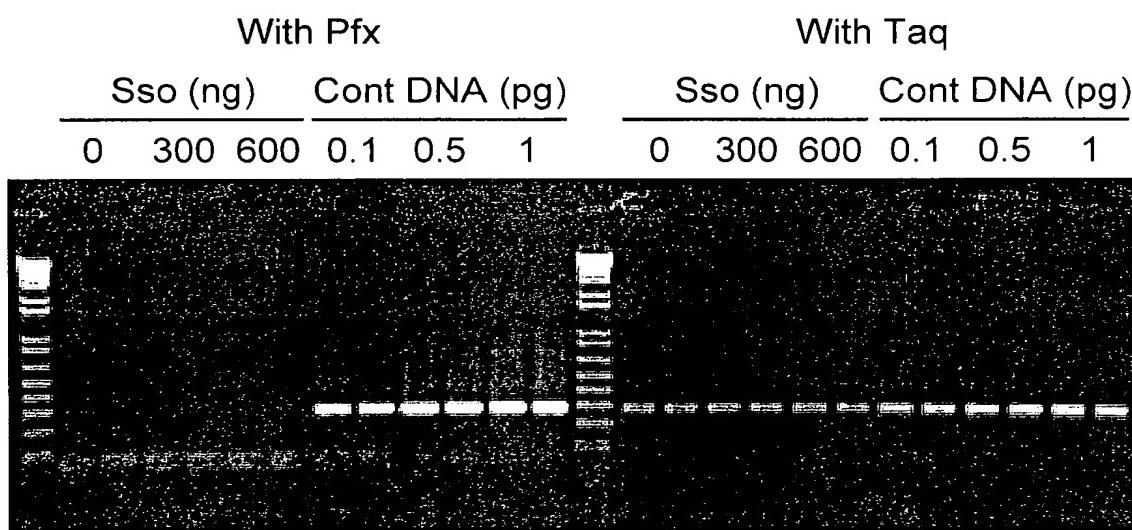


FIG.34

36/48

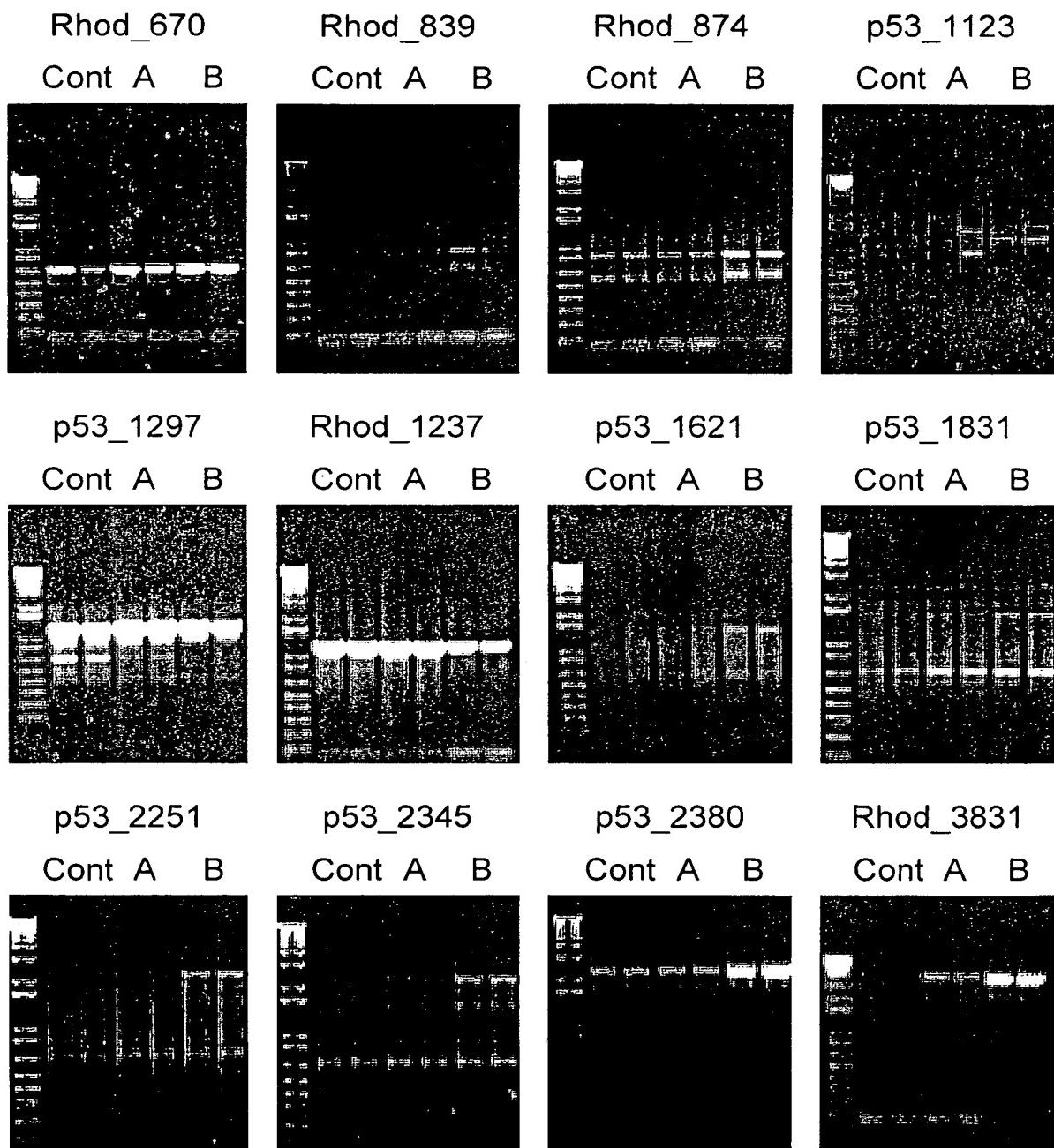


FIG.35

37/48

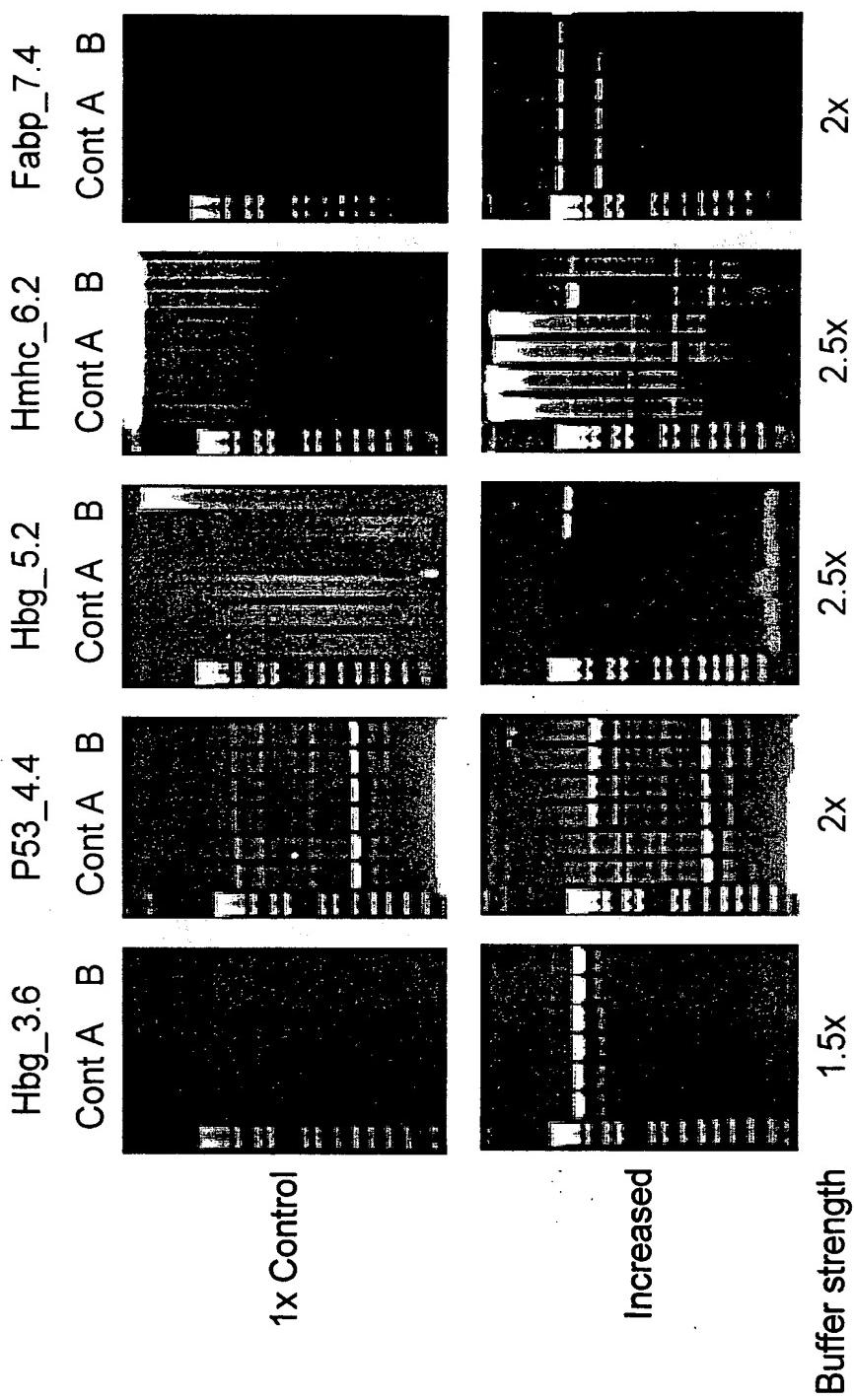


FIG. 36

38/48

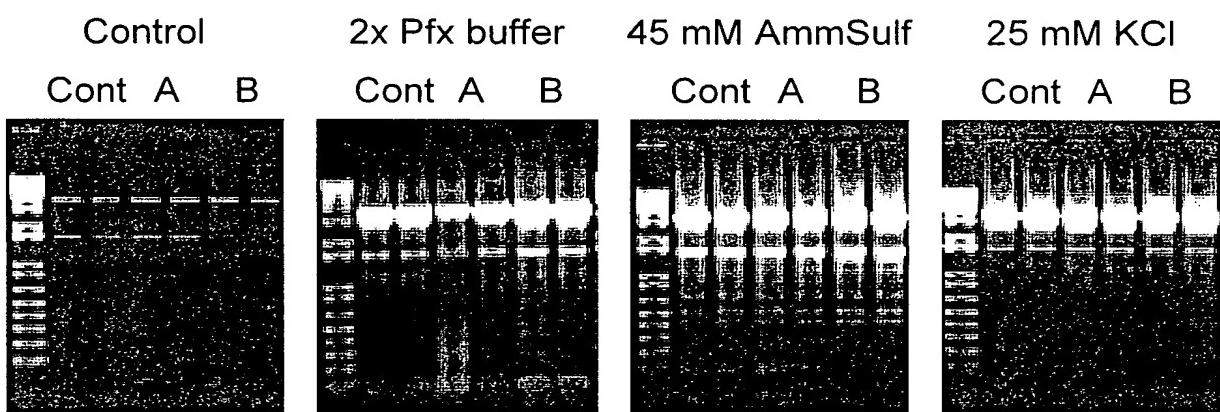


FIG.37

39/48

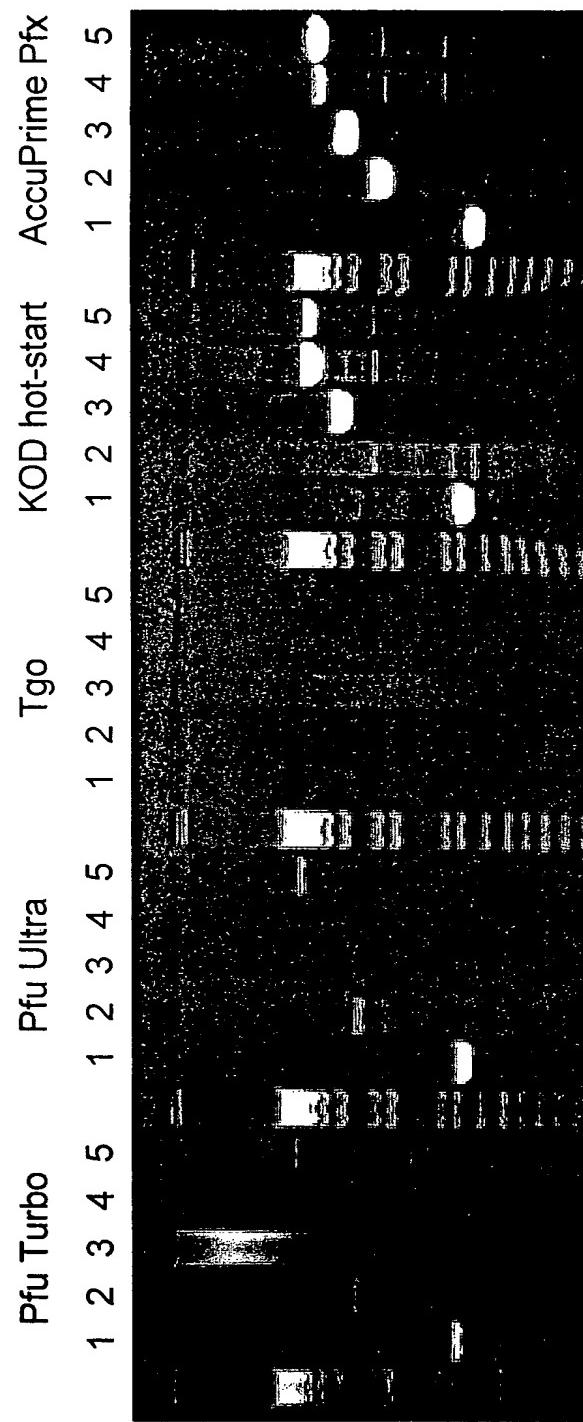


FIG. 38

40/48

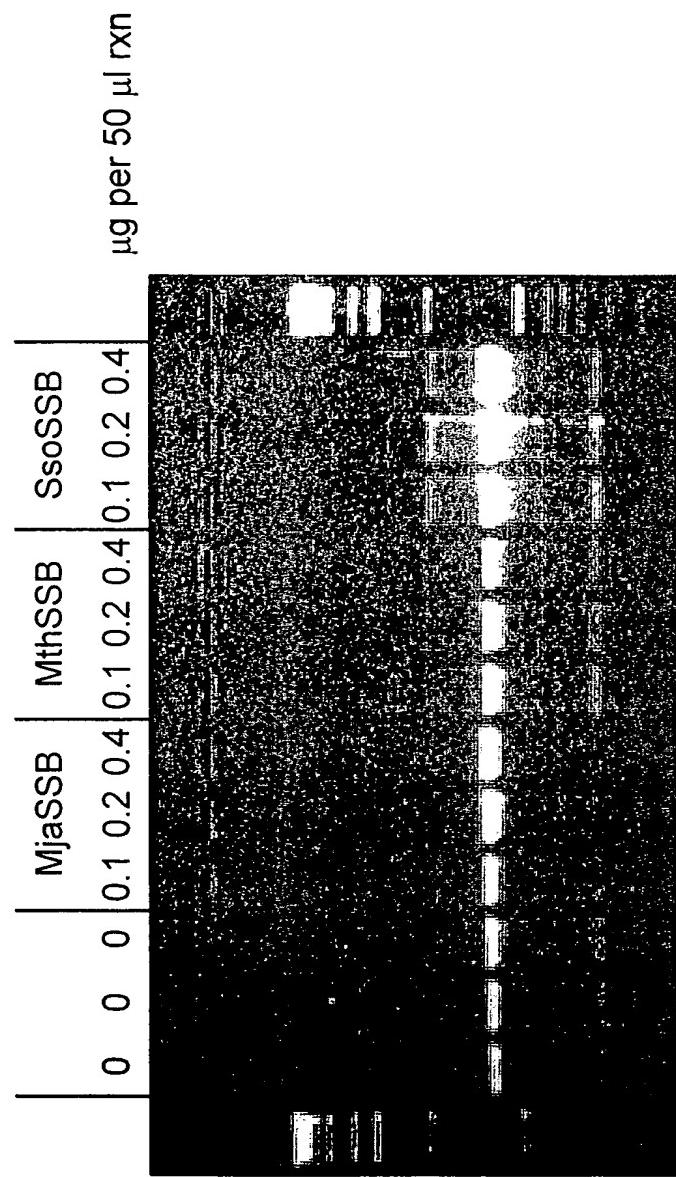


FIG. 39

41/48

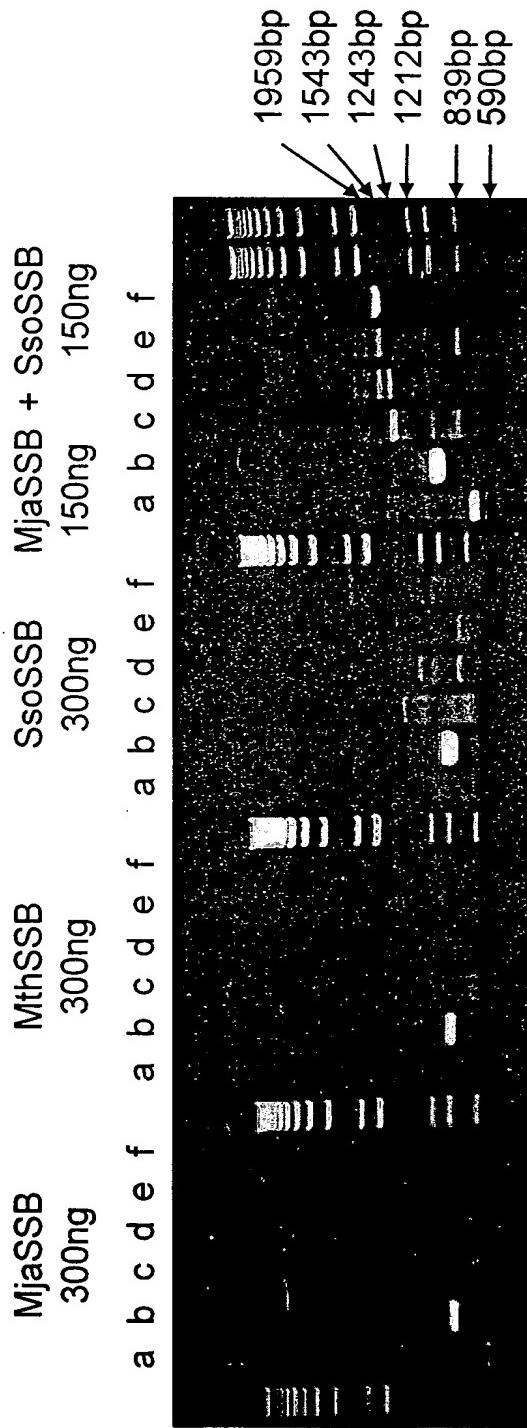
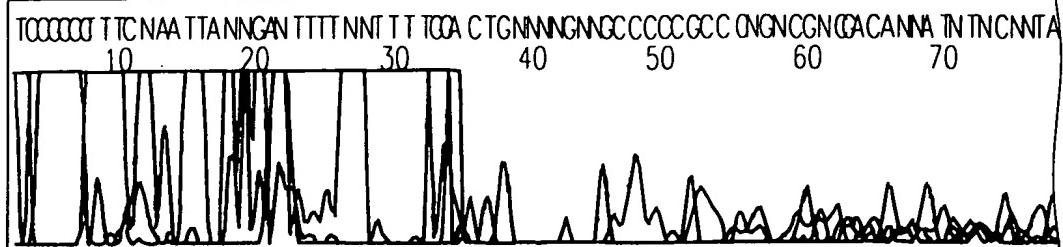


FIG.40

42/48

CONTROL



NTGCA TCTA CGCT GT TNGACCCA CNGNG CGCT N TNGGACNNCTNGCATNTG NG TGA QNT NN G TGAC
80 90 100 110 120 130 140 1

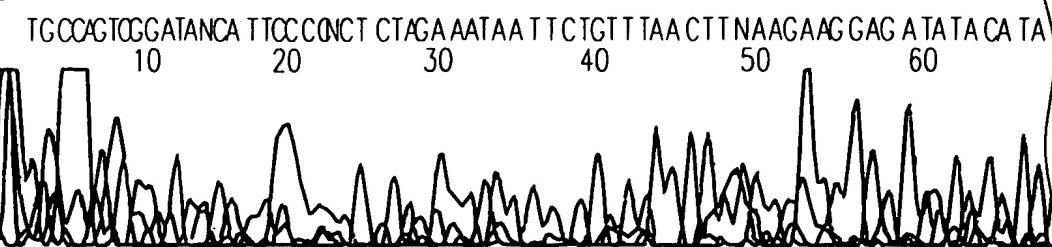
CAACGGC CATN TN NN NAAN TA TAT ATT NN CCCNNACNNNT CNGNGCACANNNT T CTTCANNN
50 160 170 180 190 200 210

ANCGTNNGNTTCTNNCTNTCTNNNACTGTNTNTNA TG NACG AA NA GNGANACN G TNCCTNT
220 230 240 250 260 270 280

FIG. 41A

43/48

WITH 50 ng MjaSSB



TGAA ATA CCT GCT GCCCGACCCGC TGC TGCT GGT CT GCT CCT CTC CTC NCT GCCCAGCC GGGGA

7 80 90 100 110 120



GGGC CAT GGA TA TNGGA ATT AATT C NC ANCCG AATT CGGG GACA A NTT GTAC AAAA N A T O

130 140 150 160 170 180



ATGCTCTCNNGNTGGCANACGTTTGCAAGCANCAGTC NT TTCACGTTCCC TNAC NT AT C NG

190 200 210 220 230 240



FIG. 41B

44/48

WITH 100 ng MjaSSB

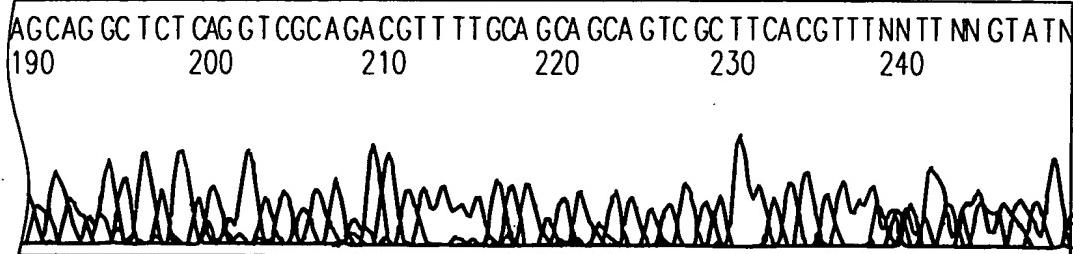
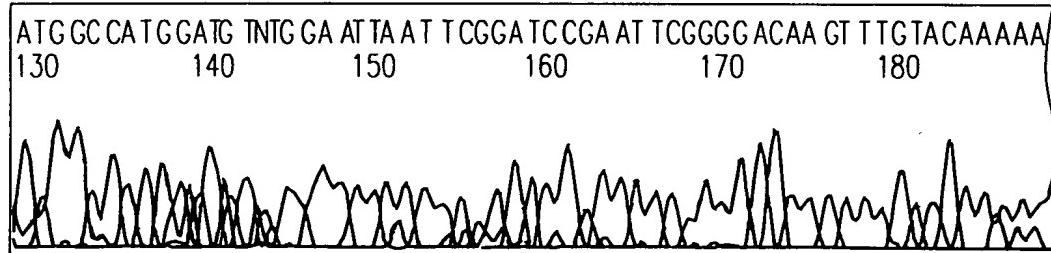
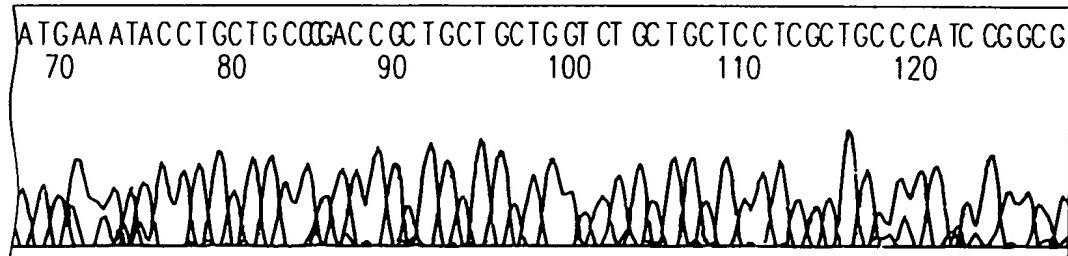
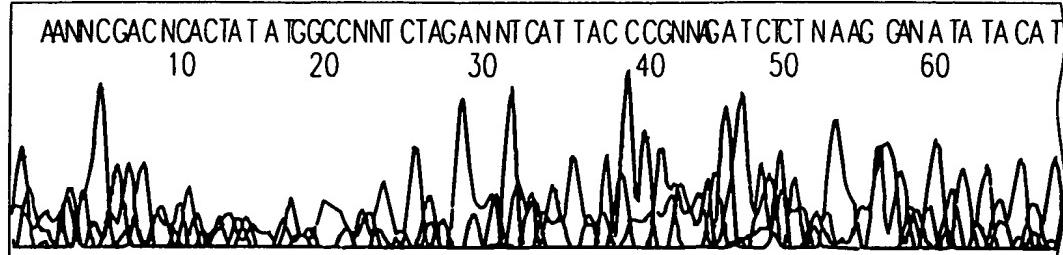


FIG. 41C

45/48

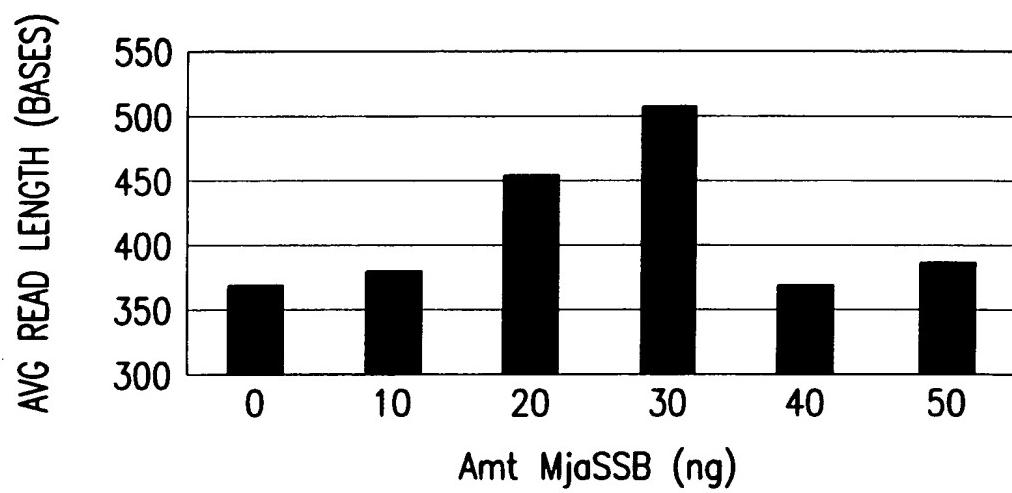


FIG.42

46/48

1 2 3 4 5 6 7 8 9 10 11 12 13

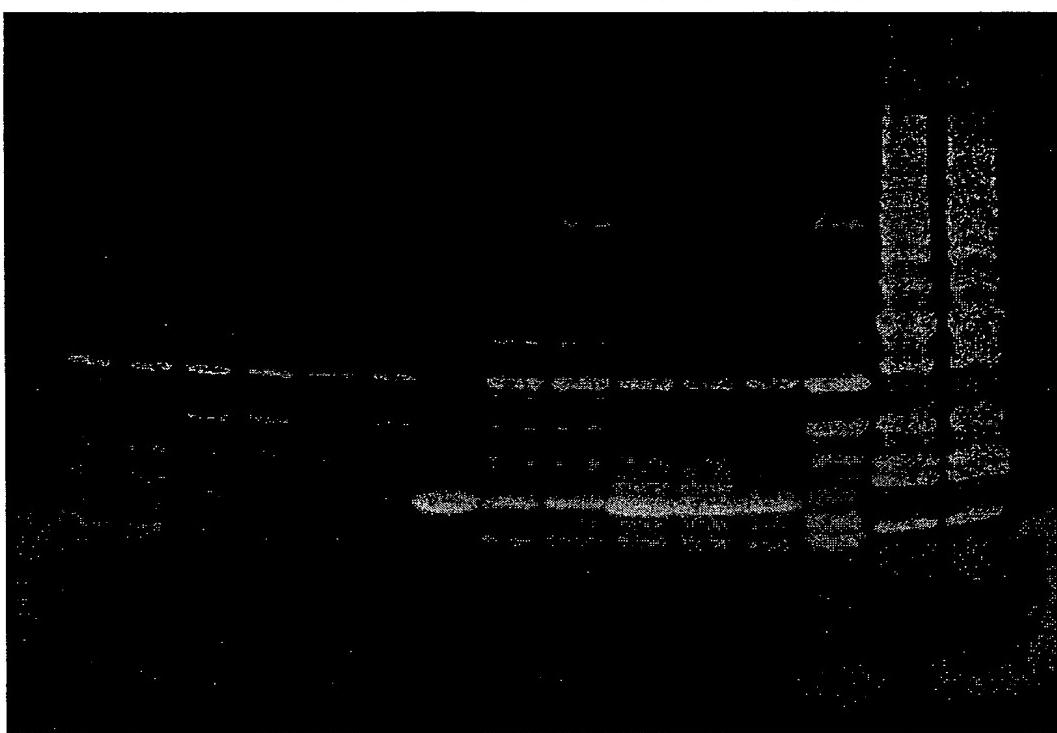
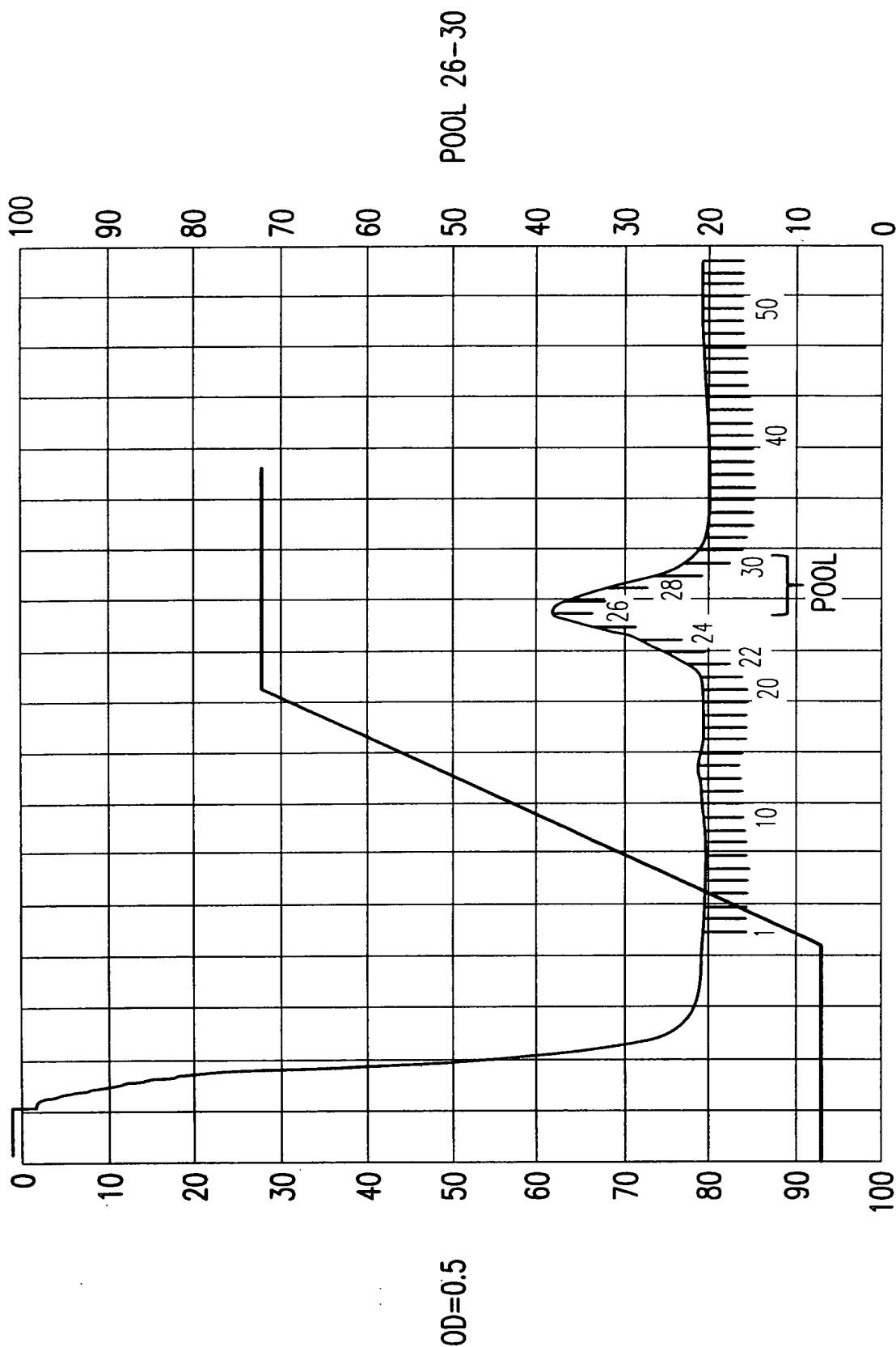


FIG.43

47/48



48/48

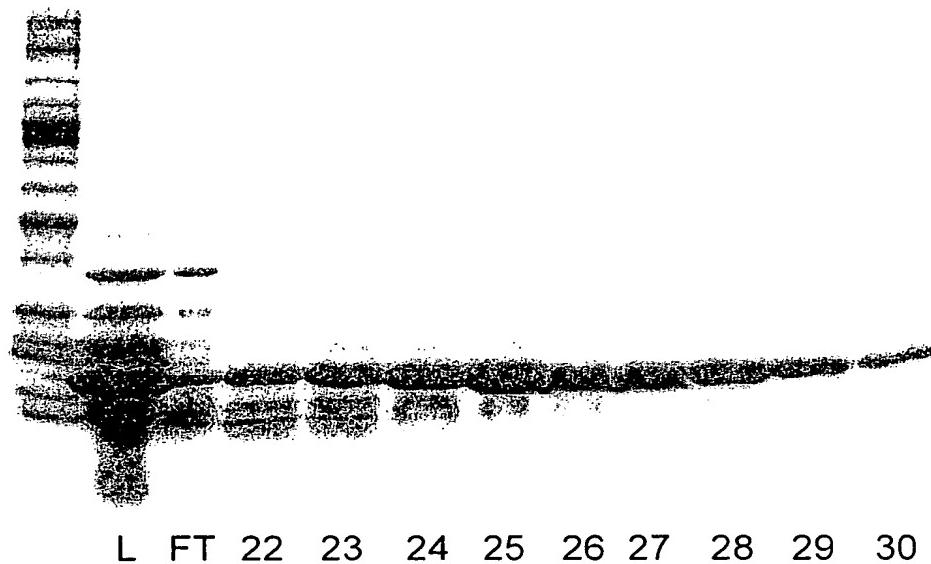


FIG.45A

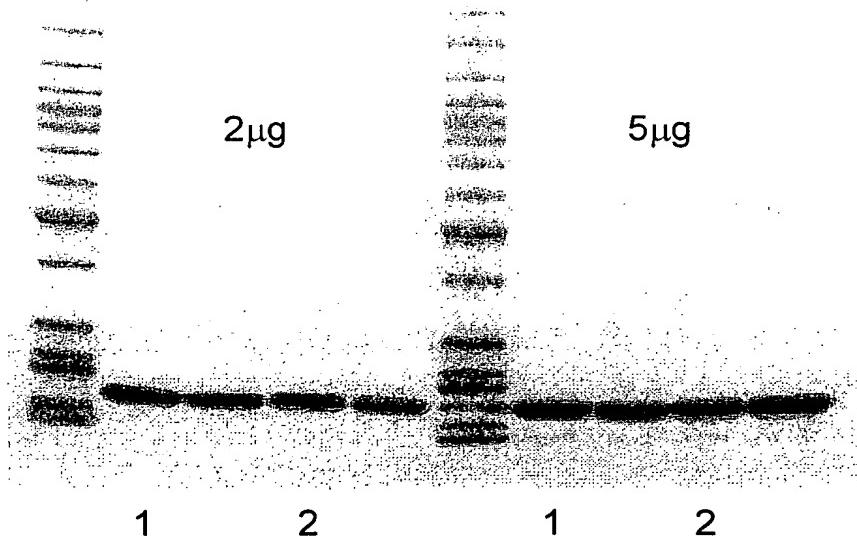


FIG.45B